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Kuipers & Associates, LLC

Date: September 16, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
August 2009 Monthly Report**

This August 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

Glass pie pans have been in place since August 15, 2008 at both sites to capture settling dust. The dust is being collected onto filters using a personal sampling pump, in conjunction with twice-weekly site visits. Two more sets of samples were collected between March 2 and July 10, 2009. At Opportunity, the preliminary calculated arsenic concentrations were 162 mg/kg and 153 mg/kg, and the lead concentrations were approximately 144 mg/kg and 125 mg/kg. This is consistent with previous settled dust analyses. At Warm Springs, the concentrations were 74.7 mg/kg and 29.5 mg/kg for arsenic; and 129 mg/kg and 92.6 mg/kg for lead. Detailed results are attached to the end of this report.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from August 1st through August 31st, with 98.8% availability for TSP at the Opportunity location and 99.9% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on August 20 at 14:00 MST and on August 24 from 13:00 MST through 14:00 MST for routine maintenance. Additional downtime occurred as follows due to power outages: August 5 at 18:00 MST and 20:00 MST, August 6 at 15:00 MST, and August 7 from 00:00 MST through 02:00 MST.
 - Downtime at the Warm Springs location occurred on August 20 at 12:00 MST for routine maintenance.

- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 54 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 23 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 242 $\mu\text{g}/\text{m}^3$. This value was associated with fairly strong west-southwest winds, indicating that the Lower Waste Management Area (LWMA) was probably not a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 18 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 10 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 105 $\mu\text{g}/\text{m}^3$. This value was associated with moderate west winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, August 2009

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	54	8/3/2009	3.6	254
Daily 2nd Max	37	8/2/2009	5.0	253
Daily 3rd Max	35	8/30/2009	5.4	278
Daily 4th Max	33	8/11/2009	4.5	215
Hourly 1st Max	242	8/30/2009 22:00	13.6	239
Hourly 2nd Max	233	8/11/2009 18:00	9.8	257
Hourly 3rd Max	206	8/3/2009 19:00	4.7	20
Hourly 4th Max	187	8/3/2009 12:00	4.9	269

Table 2
Warm Springs Site PM10 Maximum Data, August 2009

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	18	8/3/2009	2.9	182
Daily 2nd Max	15	8/4/2009	4.3	245
Daily 3rd Max	15	8/10/2009	4.6	209
Daily 4th Max	14	8/29/2009	2.7	6
Hourly 1st Max	105	8/4/2009 15:00	9.4	279
Hourly 2nd Max	56	8/10/2009 17:00	4.7	232
Hourly 3rd Max	50	8/21/2009 00:00	2.5	162
Hourly 4th Max	35	8/10/2009 16:00	5.8	222

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was 75 $\mu\text{g}/\text{m}^3$, the 24-hour standard was 200 $\mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for August at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of August were well below the 24-hour Montana Ambient Air Quality Standard of 150 $\mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of 50 $\mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was well above average based on weather records for the Butte airport.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in August were from the southwest quadrant. Winds from the north-northeast also were common.
 - Figure 2 shows the Warm Springs location, where winds were mostly from southerly directions. North winds also were common.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
David Dobrinien	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
August 1, 2009	32	1.8	4.1	247	20.6	69.0	48
August 2, 2009	37	2.3	5.0	253	21.2	70.2	36
August 3, 2009	54	1.6	3.6	254	20.4	68.7	45
August 4, 2009	32	2.0	4.4	261	22.6	72.6	38
August 5, 2009	31	1.8	4.1	259	16.7	62.0	69
August 6, 2009	10	1.8	3.9	307	15.6	60.0	75
August 7, 2009	7	1.9	4.2	272	12.2	54.0	76
August 8, 2009	9	1.4	3.1	4	11.9	53.5	74
August 9, 2009	23	1.6	3.5	22	13.4	56.1	70
August 10, 2009	19	1.7	3.8	224	17.1	62.7	57
August 11, 2009	33	2.0	4.5	215	19.7	67.5	46
August 12, 2009	31	2.2	4.9	13	17.7	63.8	54
August 13, 2009	32	2.3	5.0	13	13.1	55.6	69
August 14, 2009	7	1.7	3.8	326	10.3	50.5	79
August 15, 2009	6	2.2	4.9	304	8.7	47.7	68
August 16, 2009	6	1.4	3.2	124	9.1	48.3	73
August 17, 2009	8	1.4	3.0	22	12.0	53.6	65
August 18, 2009	17	2.6	5.9	259	16.6	62.0	54
August 19, 2009	26	2.0	4.6	324	18.9	66.1	51
August 20, 2009	26	1.6	3.6	177	18.8	65.8	56
August 21, 2009	26	1.7	3.7	254	21.9	71.3	48
August 22, 2009	23	2.0	4.6	355	18.6	65.4	53
August 23, 2009	30	2.1	4.6	163	14.9	58.7	70
August 24, 2009	17	1.2	2.8	157	15.6	60.1	61
August 25, 2009	20	1.6	3.6	225	17.8	64.1	48
August 26, 2009	28	2.1	4.7	222	20.0	68.0	44
August 27, 2009	26	1.7	3.8	344	18.0	64.5	46
August 28, 2009	29	1.4	3.1	217	17.3	63.2	49
August 29, 2009	27	1.7	3.9	62	17.9	64.2	51
August 30, 2009	35	2.4	5.4	278	18.2	64.7	55
August 31, 2009	9	1.6	3.5	204	15.6	60.2	68

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
August 1, 2009	9	1.5	3.3	181	20.4	68.8	51
August 2, 2009	12	2.4	5.5	239	20.5	68.9	41
August 3, 2009	18	1.3	2.9	182	20.5	69.0	46
August 4, 2009	15	1.9	4.3	245	22.0	71.7	42
August 5, 2009	12	1.7	3.7	248	16.5	61.8	71
August 6, 2009	4	1.3	3.0	285	15.3	59.6	78
August 7, 2009	5	1.6	3.5	241	13.1	55.5	76
August 8, 2009	6	0.9	2.1	9	12.6	54.7	73
August 9, 2009	13	1.1	2.3	254	13.3	55.9	72
August 10, 2009	15	2.1	4.6	209	17.3	63.2	57
August 11, 2009	13	2.6	5.9	206	19.9	67.8	46
August 12, 2009	9	1.3	2.8	10	17.5	63.5	56
August 13, 2009	8	1.3	2.9	23	13.7	56.6	70
August 14, 2009	4	1.1	2.3	336	10.3	50.5	82
August 15, 2009	3	1.3	3.0	51	9.2	48.5	71
August 16, 2009	4	1.2	2.6	182	9.3	48.8	76
August 17, 2009	3	1.2	2.7	138	12.5	54.5	67
August 18, 2009	10	2.0	4.5	257	16.7	62.0	57
August 19, 2009	11	1.2	2.8	63	19.0	66.2	53
August 20, 2009	13	1.2	2.7	166	19.0	66.2	57
August 21, 2009	11	1.4	3.0	253	21.1	69.9	52
August 22, 2009	12	1.3	2.9	359	18.7	65.6	55
August 23, 2009	10	2.2	4.9	161	15.2	59.4	71
August 24, 2009	9	1.2	2.6	156	15.3	59.6	61
August 25, 2009	9	1.5	3.4	183	17.4	63.3	53
August 26, 2009	10	2.0	4.5	205	20.0	68.0	44
August 27, 2009	14	1.5	3.2	175	18.4	65.1	48
August 28, 2009	12	1.1	2.5	141	17.9	64.2	47
August 29, 2009	14	1.2	2.7	6	18.6	65.4	49
August 30, 2009	11	1.7	3.8	254	18.3	65.0	54
August 31, 2009	6	1.4	3.0	183	15.8	60.4	69

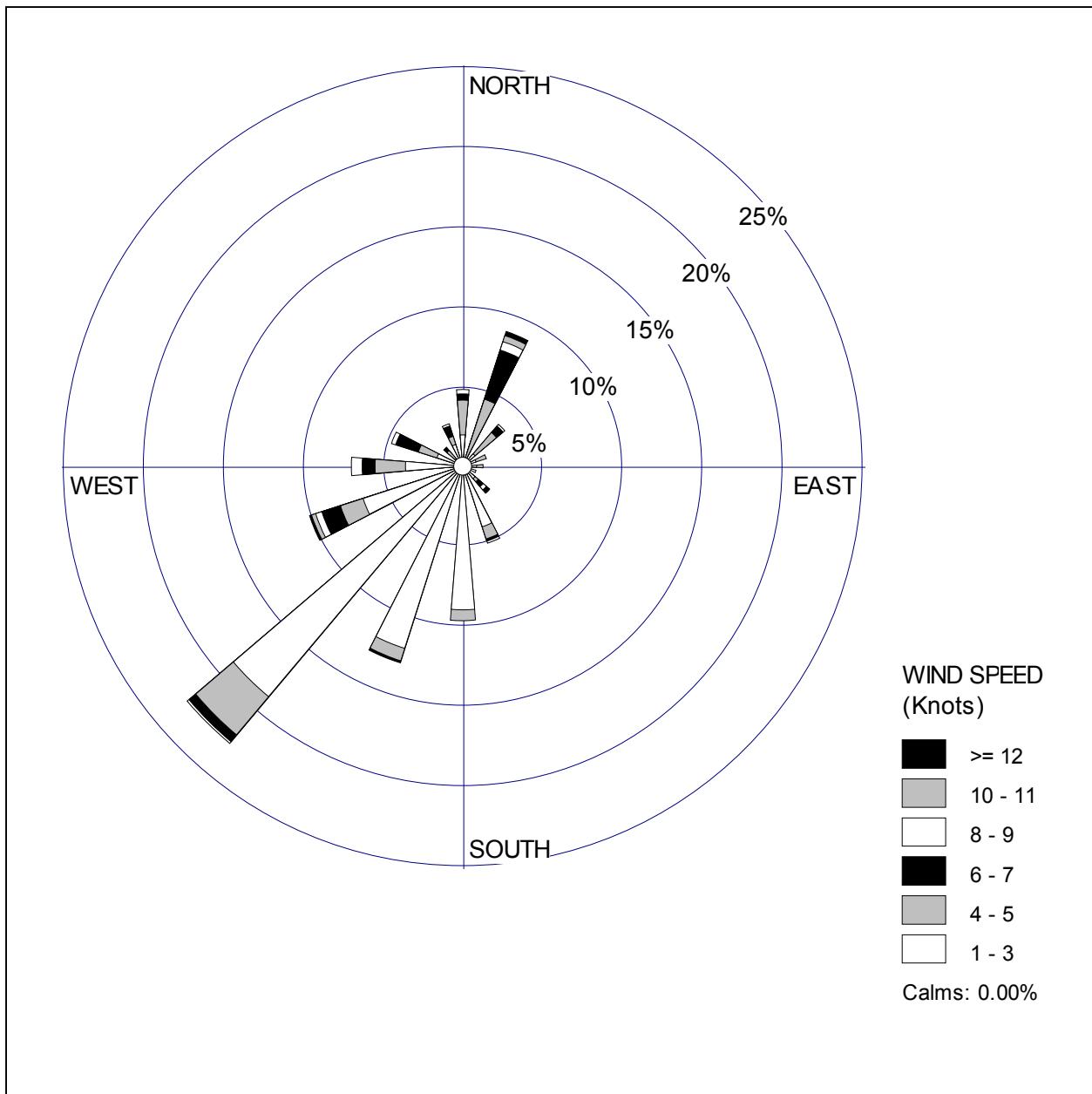


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site August 2009.

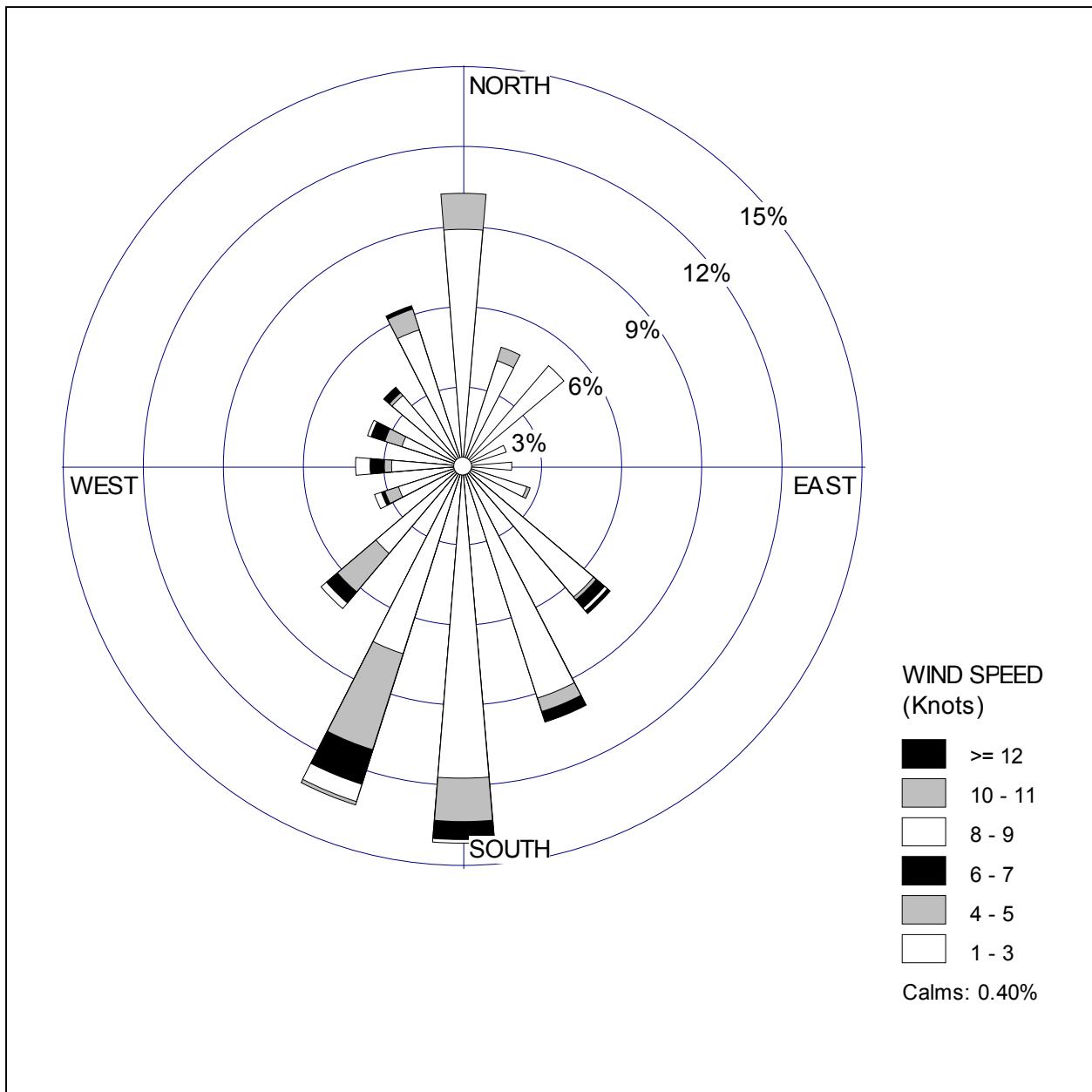


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site August 2009.



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MEMORANDUM – Opportunity / Warm Springs Settled Dust Sampling Events – Rev 1
Sampling Periods: March 2 – June 1, 2009 and June 1 – July 10, 2009

Submitted by Steve Heck, Blacktail Consulting, Inc.

September 16, 2009

This memorandum describes the preliminary results of settled dust sampling conducted at the Opportunity and Warm Springs air monitoring sites on behalf of Kuipers and Associates, and Anaconda-Deer Lodge County. All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan.

1. SAMPLE COLLECTION

On March 2, 2009, clean 9-inch diameter glass dishes were set out at both sites at a height of approximately 7 feet to capture and retain settling dust. A personal sampling pump supplied by SKC, Inc. was used to vacuum any settled dust from the dishes during twice-weekly site visits. Vacuuming could not be performed when standing water was present. In those instances, the water was allowed to evaporate, and vacuuming was performed at the next opportunity.



The vacuumed dust was collected onto 37-mm diameter, matched weight mixed cellulose ester (MCE) filter cassettes. The filters were recommended by the manufacturer for applications involving trace element analyses. The matched filter weights allow one to avoid filter pre-weighing. The total dust determination is made by simply weighing the two filters following sampling; the difference in their weights equals the mass of dust collected.

The glass dishes were vacuumed for the last time on June 1, 2009, and the cassettes were submitted to the MSE Laboratory for analysis. Both samples were weighed to determine the total amount of particulate collected. Samples having a sufficient net dust mass (≥ 1.0 mg) were analyzed for arsenic, cadmium, copper, lead and zinc.

A second set of dust samples was collected over the period of June 1 – July 10, 2009, in the manner described above.

2. ANALYTICAL PROCEDURES

Following weighing, exposed filters were digested using Method SW-846 3050B for soils, and analyzed for trace metals by ICP Mass Spectrometer (ICP-MS) using Method SW-846 6020A. Additionally, a blank filter cassette was analyzed to provide background concentrations for the MCE filters.

3. ANALYTICAL RESULTS

Table 1 presents settled dust trace element results for the samples collected between March 2 and June 1. Table 2 presents results for the samples collected between June 1 and July 10.

3.1 Filter Weights

The filters were weighed on an enclosed balance with a resolution of 0.0001 grams (0.1 mg). Results are shown in Section A of Tables 1 and 2. The “Tare” filter weight is the weight of the unexposed matched weight filter, and the “Exposed” weight is the weight of the filter dust was collected on. The net dust weight is calculated as the difference between these values.

For the first set of samples, the mass of dust collected on the Opportunity filter was 35.5 mg, while the dust mass on the Warm Springs filter was 9.3 mg. These are the largest particulate masses collected from the glass dish sampling to date.

For the second set of samples, the respective dust masses were 12.0 mg at Opportunity and 1.6 mg at Warm Springs.

The two matched weight filters from the blank cassette also were weighed, and the difference in their weights was found to be 0.2 mg.

3.2 Trace Element Results

The trace element results are presented in Section B of Tables 1 and 2. The “Total” results represent the trace element concentrations in the exposed filter – which includes contributions from both the filter material and the collected dust. A blank filter was analyzed for trace elements, with results shown in the column labeled “Blank.” Next, net filter trace element concentrations were calculated by subtracting the blank values from the total values. The net results represent the average trace element concentrations throughout the filter based solely on the contribution from the collected dust.

3.3. Trace Element Concentrations in Dust

The net trace element concentrations in Section B are for the entire exposed filter mass. Trace element concentrations in the collected dust were calculated using the net trace element results,

the exposed filter weight and the collected dust weight. For the first sample set for the Opportunity site, the net dust weight was 0.0355 grams, while the total weight of the exposed MCE filter was 0.0862 grams. The following example illustrates the calculation used to determine trace element concentrations in the collected dust:

- Concentration of arsenic over the entire exposed filter was 66.6 mg/kg. Therefore, the amount of arsenic present was $66.6 \text{ mg/kg} \times 0.0862 \text{ g}$, or $5.741 \times 10^{-3} \text{ mg}$.
- Because all of this net arsenic concentration was contained in the dust portion, the arsenic concentration in dust was $5.741 \times 10^{-3} \text{ mg} / 0.0355 \text{ g}$, or 162 mg/kg.

The concentrations of other trace elements in the dust were calculated using the same approach. Results are summarized in Section C of Tables 1 and 2.

Disassembly and weighing of the filter cassettes proceeded smoothly for these samples, and no analytical issues were encountered.

4. RECOMMENDATIONS FOR FUTURE SAMPLING AND ANALYSIS

The laboratory analysis proceeded smoothly for these filters. For the first set of filters the dust masses collected were sufficient for reliable trace element determinations. For the second set the mass was sufficient for the Opportunity sample. However, at Warm Springs the arsenic concentration was below the mass-adjusted laboratory reporting limit. For all other analytes the concentrations were at least five times greater than the reporting limit.

Recently, three additional glass dishes were installed at both sites, which will effectively quadruple the amount of particulate collected. This will be particularly helpful during the winter months, when airborne particulate levels tend to decrease significantly from summertime levels.

Currently, duplicate samples are being collected at the Opportunity site to provide a measure of method precision. This is being done by vacuuming dust from the dishes into separate filter cassettes (i.e., two dishes are being vacuumed into each cassette).

TABLE 1 - OPPORTUNITY / WARM SPRINGS SETTLED DUST SAMPLE RESULTS
(Sampling conducted 3-2-2009 through 6-1-2009)

A. Filter Weight Data

Opportunity Analyzed Filter Weight (g)	0.0862
Opportunity Tare Filter Weight (g)	0.0507
Opportunity Net Particulate Weight (g)	0.0355
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Warm Springs Analyzed Filter Weight (g)	0.0574
Warm Springs Tare Filter Weight (g)	0.0481
Warm Springs Net Particulate Weight (g)	0.0093

B. Trace Element Results

Analyte	Opportunity			Warm Springs			Blank (1) Average Conc. (mg/kg)
	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	
As	66.6	66.6	0.870	12.1	12.1	1.31	ND
Cd	2.07	2.07	0.058	0.951	0.951	0.087	ND
Cu	232	232	0.725	62.4	61.9	1.09	0.456
Pb	59.4	59.2	0.116	21.0	20.8	0.174	0.158
Zn	282	260	1.74	124	102	2.61	22.1

(1) Blank concentration based on unexposed filter

C. Calculated Trace Element Concentrations in Particulate

Analyte	Opportunity			Warm Springs			(1) Reporting Limit (mg/kg)
	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	(1) Reporting Limit (mg/kg)	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	(1) Reporting Limit (mg/kg)	
As	66.6	162	2.11	12.1	74.7	8.09	
Cd	2.07	5.03	0.141	0.951	5.87	0.537	
Cu	231.544	562	1.76	61.9	382	6.73	
Pb	59.242	144	0.282	20.8	129	1.07	
Zn	259.9	631	4.23	102	629	16.1	

(1) Reporting Limit adjusted to reflect mass of particulate collected

TABLE 2 - OPPORTUNITY / WARM SPRINGS SETTLED DUST SAMPLE RESULTS
(Sampling conducted 6-1-2009 through 7-10-2009)

A. Filter Weight Data

Opportunity Analyzed Filter Weight (g)	0.0618
Opportunity Tare Filter Weight (g)	0.0498
Opportunity Net Particulate Weight (g)	0.0120
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Warm Springs Analyzed Filter Weight (g)	0.0502
Warm Springs Tare Filter Weight (g)	0.0486
Warm Springs Net Particulate Weight (g)	0.0016

B. Trace Element Results

Analyte	Opportunity			Warm Springs			Blank (1)
	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	
As	29.7	29.7	1.21	0.941	0.941	1.49	ND
Cd	0.854	0.854	0.081	0.504	0.504	0.100	ND
Cu	94.2	93.7	1.01	7.18	6.72	1.25	0.456
Pb	24.5	24.3	0.162	3.11	2.95	0.199	0.158
Zn	114	91.9	2.43	33.8	11.7	2.99	22.1

(1) Blank concentration based on unexposed filter

C. Calculated Trace Element Concentrations in Particulate

Analyte	Opportunity			Warm Springs			(1) Reporting Limit (mg/kg)
	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	(1) Reporting Limit (mg/kg)	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	(1) Reporting Limit (mg/kg)	
As	29.7	153	6.23	0.941	29.5	46.7	
Cd	0.854	4.40	0.417	0.504	15.8	3.14	
Cu	93.7	483	5.20	6.72	211	39.2	
Pb	24.3	125	0.834	2.95	92.6	6.24	
Zn	91.9	473	12.51	11.7	367	93.8	

(1) Reporting Limit adjusted to reflect mass of particulate collected

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
August 2009

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/1/2009 1:00	-3	1.2	2.7	246	11.3	52.3	77
8/1/2009 2:00	19	1.1	2.5	226	11.0	51.8	77
8/1/2009 3:00	-4	1.3	2.9	219	11.8	53.2	74
8/1/2009 4:00	42	1.4	3.1	204	12.1	53.8	74
8/1/2009 5:00	-5	1.3	2.9	207	11.6	52.9	75
8/1/2009 6:00	39	1.3	2.9	217	11.3	52.3	76
8/1/2009 7:00	4	1.7	3.8	207	13.2	55.8	69
8/1/2009 8:00	34	2.1	4.7	180	16.5	61.7	59
8/1/2009 9:00	24	1.9	4.3	189	19.2	66.6	53
8/1/2009 10:00	22	2.0	4.5	179	23.4	74.1	43
8/1/2009 11:00	26	2.2	4.9	255	26.4	79.5	33
8/1/2009 12:00	34	2.9	6.5	289	27.5	81.5	30
8/1/2009 13:00	67	2.1	4.7	356	27.0	80.6	32
8/1/2009 14:00	36	2.4	5.4	38	27.9	82.2	31
8/1/2009 15:00	167	2.0	4.5	75	29.6	85.3	26
8/1/2009 16:00	59	2.3	5.1	301	30.3	86.5	22
8/1/2009 17:00	13	2.9	6.5	277	30.2	86.4	21
8/1/2009 18:00	31	3.0	6.7	277	29.6	85.3	21
8/1/2009 19:00	32	2.1	4.7	287	28.7	83.7	23
8/1/2009 20:00	42	1.6	3.6	268	25.4	77.7	31
8/1/2009 21:00	29	1.7	3.8	255	21.0	69.8	41
8/1/2009 22:00	30	0.9	2.0	208	16.8	62.2	55
8/1/2009 23:00	12	1.1	2.5	209	16.2	61.2	50
8/2/2009 0:00	18	1.3	2.9	191	15.6	60.1	52
8/2/2009 1:00	20	1.3	2.9	186	14.2	57.6	56
8/2/2009 2:00	11	1.3	2.9	180	13.3	55.9	57
8/2/2009 3:00	13	1.3	2.9	166	12.9	55.2	57
8/2/2009 4:00	13	1.1	2.5	193	13.8	56.8	51
8/2/2009 5:00	22	1.5	3.4	193	13.7	56.7	51
8/2/2009 6:00	24	1.6	3.6	206	13.4	56.1	52
8/2/2009 7:00	47	1.8	4.0	187	14.9	58.8	47
8/2/2009 8:00	44	1.5	3.4	206	17.6	63.7	44
8/2/2009 9:00	23	1.5	3.4	188	21.9	71.4	35
8/2/2009 10:00	75	3.2	7.2	240	24.7	76.5	28
8/2/2009 11:00	38	3.3	7.4	242	25.4	77.7	30
8/2/2009 12:00	33	2.5	5.6	236	26.8	80.2	29
8/2/2009 13:00	60	3.4	7.6	282	28.3	82.9	26
8/2/2009 14:00	79	4.3	9.6	281	29.1	84.4	22
8/2/2009 15:00	49	4.3	9.6	285	29.6	85.3	20
8/2/2009 16:00	20	3.5	7.8	288	28.5	83.3	21
8/2/2009 17:00	65	3.2	7.2	293	29.0	84.2	21
8/2/2009 18:00	37	2.7	6.0	284	28.3	82.9	22
8/2/2009 19:00	14	2.9	6.5	281	28.3	82.9	19
8/2/2009 20:00	53	2.3	5.1	269	25.4	77.7	22
8/2/2009 21:00	20	1.5	3.4	262	21.4	70.5	30
8/2/2009 22:00	25	1.3	2.9	251	17.3	63.1	41
8/2/2009 23:00	47	1.6	3.6	271	16.2	61.2	45
8/3/2009 0:00	45	1.1	2.5	231	15.3	59.5	49
8/3/2009 1:00	19	0.9	2.0	237	11.9	53.4	63
8/3/2009 2:00	12	0.9	2.0	236	10.4	50.7	68
8/3/2009 3:00	34	0.9	2.0	228	10.1	50.2	68
8/3/2009 4:00	3	1.3	2.9	217	10.4	50.7	67
8/3/2009 5:00	19	1.0	2.2	219	9.6	49.3	70
8/3/2009 6:00	56	1.2	2.7	204	9.5	49.1	68
8/3/2009 7:00	25	1.6	3.6	182	12.7	54.9	58
8/3/2009 8:00	51	1.3	2.9	182	17.1	62.8	50
8/3/2009 9:00	39	1.5	3.4	168	21.6	70.9	41
8/3/2009 10:00	73	1.7	3.8	112	25.4	77.7	32
8/3/2009 11:00	64	1.5	3.4	225	26.4	79.5	29
8/3/2009 12:00	187	2.2	4.9	269	26.8	80.2	28
8/3/2009 13:00	63	2.4	5.4	260	28.1	82.6	25
8/3/2009 14:00	29	2.5	5.6	278	28.4	83.1	25
8/3/2009 15:00	29	2.1	4.7	317	29.0	84.2	24
8/3/2009 16:00	68	1.4	3.1	339	29.6	85.3	22
8/3/2009 17:00	38	2.3	5.1	24	29.7	85.5	22
8/3/2009 18:00	40	2.7	6.0	358	28.5	83.3	24
8/3/2009 19:00	206	2.1	4.7	20	27.1	80.8	28
8/3/2009 20:00	69	1.0	2.2	286	23.0	73.4	43
8/3/2009 21:00	55	1.1	2.5	219	18.5	65.3	58
8/3/2009 22:00	38	1.1	2.5	251	17.2	63.0	58
8/3/2009 23:00	28	1.8	4.0	253	19.0	66.2	50
8/4/2009 0:00	57	1.8	4.0	173	19.2	66.6	53
8/4/2009 1:00	7	1.4	3.1	189	19.6	67.3	47
8/4/2009 2:00	9	1.1	2.5	227	17.4	63.3	53
8/4/2009 3:00	10	1.0	2.2	201	16.0	60.8	58
8/4/2009 4:00	19	1.4	3.1	224	15.6	60.1	59

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/4/2009 5:00	9	1.4	3.1	199	15.6	60.1	58
8/4/2009 6:00	46	1.3	2.9	210	16.2	61.2	56
8/4/2009 7:00	19	1.3	2.9	215	16.3	61.3	55
8/4/2009 8:00	37	1.3	2.9	184	19.0	66.2	51
8/4/2009 9:00	10	1.4	3.1	185	22.8	73.0	41
8/4/2009 10:00	22	1.7	3.8	196	25.1	77.2	34
8/4/2009 11:00	40	2.3	5.1	242	27.1	80.8	26
8/4/2009 12:00	48	2.3	5.1	226	28.1	82.6	26
8/4/2009 13:00	47	2.6	5.8	244	28.4	83.1	24
8/4/2009 14:00	26	3.1	6.9	290	29.7	85.5	17
8/4/2009 15:00	36	3.8	8.5	292	30.4	86.7	15
8/4/2009 16:00	63	3.7	8.3	297	30.5	86.9	13
8/4/2009 17:00	29	3.9	8.7	290	30.5	86.9	11
8/4/2009 18:00	20	3.2	7.2	288	29.9	85.8	10
8/4/2009 19:00	33	2.3	5.1	282	28.0	82.4	14
8/4/2009 20:00	67	1.4	3.1	257	23.9	75.0	24
8/4/2009 21:00	78	1.9	4.3	356	21.0	69.8	34
8/4/2009 22:00	32	2.0	4.5	17	19.4	66.9	54
8/4/2009 23:00	33	0.8	1.8	210	16.1	61.0	69
8/5/2009 0:00	30	1.0	2.2	353	15.0	59.0	73
8/5/2009 1:00	7	1.7	3.8	40	14.8	58.6	74
8/5/2009 2:00	24	1.2	2.7	357	14.1	57.4	76
8/5/2009 3:00	9	2.3	5.1	347	13.5	56.3	79
8/5/2009 4:00	8	0.9	2.0	225	12.7	54.9	81
8/5/2009 5:00	25	1.0	2.2	267	12.0	53.6	84
8/5/2009 6:00	45	0.9	2.0	178	10.6	51.1	88
8/5/2009 7:00	38	1.0	2.2	224	11.5	52.7	82
8/5/2009 8:00	38	1.4	3.1	241	14.9	58.8	71
8/5/2009 9:00	18	1.5	3.4	194	19.0	66.2	56
8/5/2009 10:00	40	2.8	6.3	148	21.6	70.9	47
8/5/2009 11:00	29	2.0	4.5	267	20.2	68.4	53
8/5/2009 12:00	74	2.9	6.5	30	22.3	72.1	47
8/5/2009 13:00	81	2.7	6.0	323	21.4	70.5	52
8/5/2009 14:00	42	2.8	6.3	31	21.6	70.9	47
8/5/2009 15:00	62	3.8	8.5	347	23.4	74.1	41
8/5/2009 16:00	57	1.7	3.8	225	19.5	67.1	57
8/5/2009 17:00	9	2.0	4.5	226	16.0	60.8	77
8/5/2009 18:00	AV	2.2	4.9	298	19.7	67.5	76
8/5/2009 19:00	25	1.2	2.7	138	17.0	62.6	77
8/5/2009 20:00	AV	1.6	3.6	180	16.8	62.2	78
8/5/2009 21:00	13	1.1	2.5	177	14.6	58.3	82
8/5/2009 22:00	5	1.8	4.0	183	13.9	57.0	83
8/5/2009 23:00	3	1.8	4.0	175	14.2	57.6	77
8/6/2009 0:00	20	1.3	2.9	194	14.4	57.9	74
8/6/2009 1:00	-5	1.1	2.5	196	14.1	57.4	74
8/6/2009 2:00	14	1.1	2.5	271	13.2	55.8	79
8/6/2009 3:00	-2	0.9	2.0	116	12.8	55.0	80
8/6/2009 4:00	10	1.4	3.1	234	12.3	54.1	83
8/6/2009 5:00	-5	1.0	2.2	182	11.8	53.2	88
8/6/2009 6:00	7	1.0	2.2	307	11.4	52.5	90
8/6/2009 7:00	4	1.4	3.1	187	12.2	54.0	86
8/6/2009 8:00	21	1.7	3.8	250	13.5	56.3	81
8/6/2009 9:00	-1	1.5	3.4	161	16.8	62.2	67
8/6/2009 10:00	23	3.0	6.7	242	18.5	65.3	61
8/6/2009 11:00	9	2.4	5.4	33	17.8	64.0	65
8/6/2009 12:00	17	1.4	3.1	8	19.6	67.3	53
8/6/2009 13:00	32	1.4	3.1	345	21.5	70.7	48
8/6/2009 14:00	49	3.0	6.7	308	18.2	64.8	63
8/6/2009 15:00	AV	2.9	6.5	13	17.8	64.0	74
8/6/2009 16:00	-5	2.5	5.6	318	15.6	60.1	79
8/6/2009 17:00	26	3.3	7.4	337	17.8	64.0	65
8/6/2009 18:00	10	1.8	4.0	11	17.1	62.8	69
8/6/2009 19:00	9	1.9	4.3	212	16.1	61.0	71
8/6/2009 20:00	-5	1.1	2.5	299	14.8	58.6	75
8/6/2009 21:00	5	0.8	1.8	284	13.5	56.3	83
8/6/2009 22:00	5	0.8	1.8	207	12.3	54.1	86
8/6/2009 23:00	8	0.6	1.3	162	11.4	52.5	88
8/7/2009 0:00	AV	4.1	9.2	344	23.4	74.1	90
8/7/2009 1:00	AV	1.3	2.9	274	11.5	52.7	91
8/7/2009 2:00	AV	1.5	3.4	224	12.2	54.0	91
8/7/2009 3:00	-5	1.2	2.7	294	11.1	52.0	91
8/7/2009 4:00	0	1.0	2.2	180	11.2	52.2	87
8/7/2009 5:00	4	0.9	2.0	197	10.2	50.4	85
8/7/2009 6:00	9	0.9	2.0	238	9.8	49.6	87
8/7/2009 7:00	13	0.8	1.8	190	11.0	51.8	81
8/7/2009 8:00	4	0.8	1.8	254	12.0	53.6	78
8/7/2009 9:00	0	1.1	2.5	55	14.2	57.6	72
8/7/2009 10:00	9	2.1	4.7	36	15.2	59.4	71
8/7/2009 11:00	17	2.9	6.5	79	17.6	63.7	59
8/7/2009 12:00	26	4.8	10.7	230	14.5	58.1	61
8/7/2009 13:00	5	5.1	11.4	242	12.6	54.7	65

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/7/2009 14:00	19	3.3	7.4	245	14.8	58.6	56
8/7/2009 15:00	9	1.2	2.7	110	16.7	62.1	51
8/7/2009 16:00	16	3.2	7.2	22	16.1	61.0	58
8/7/2009 17:00	6	3.0	6.7	318	13.2	55.8	66
8/7/2009 18:00	0	1.2	2.7	277	11.6	52.9	73
8/7/2009 19:00	-3	1.9	4.3	301	11.8	53.2	73
8/7/2009 20:00	-1	2.7	6.0	16	10.8	51.4	79
8/7/2009 21:00	11	1.3	2.9	329	9.8	49.6	83
8/7/2009 22:00	9	0.9	2.0	229	9.2	48.6	87
8/7/2009 23:00	-5	0.9	2.0	271	8.7	47.7	88
8/8/2009 0:00	4	0.7	1.6	187	7.5	45.5	91
8/8/2009 1:00	21	1.0	2.2	257	7.0	44.6	92
8/8/2009 2:00	-5	0.7	1.6	239	6.8	44.2	92
8/8/2009 3:00	-2	0.5	1.1	281	7.1	44.8	92
8/8/2009 4:00	17	0.9	2.0	271	7.9	46.2	92
8/8/2009 5:00	-5	0.7	1.6	265	8.3	46.9	90
8/8/2009 6:00	3	0.6	1.3	183	7.8	46.0	91
8/8/2009 7:00	3	0.9	2.0	263	7.6	45.7	93
8/8/2009 8:00	15	1.0	2.2	274	9.2	48.6	86
8/8/2009 9:00	11	1.4	3.1	23	10.1	50.2	82
8/8/2009 10:00	3	2.3	5.1	18	10.8	51.4	81
8/8/2009 11:00	7	2.2	4.9	37	12.6	54.7	73
8/8/2009 12:00	4	2.0	4.5	23	14.9	58.8	62
8/8/2009 13:00	10	2.8	6.3	9	15.6	60.1	61
8/8/2009 14:00	20	2.3	5.1	21	16.4	61.5	56
8/8/2009 15:00	15	2.0	4.5	66	17.0	62.6	53
8/8/2009 16:00	4	2.2	4.9	8	17.9	64.2	48
8/8/2009 17:00	10	2.1	4.7	19	18.2	64.8	47
8/8/2009 18:00	8	2.2	4.9	26	18.4	65.1	47
8/8/2009 19:00	9	1.1	2.5	78	17.8	64.0	48
8/8/2009 20:00	30	0.9	2.0	246	14.9	58.8	67
8/8/2009 21:00	-1	1.1	2.5	246	12.0	53.6	74
8/8/2009 22:00	19	0.7	1.6	165	9.8	49.6	82
8/8/2009 23:00	14	0.7	1.6	234	9.1	48.4	82
8/9/2009 0:00	-3	0.9	2.0	215	9.5	49.1	77
8/9/2009 1:00	1	1.5	3.4	183	9.7	49.5	75
8/9/2009 2:00	12	0.9	2.0	147	7.9	46.2	82
8/9/2009 3:00	-3	1.2	2.7	155	6.8	44.2	85
8/9/2009 4:00	9	1.1	2.5	160	7.1	44.8	84
8/9/2009 5:00	4	1.2	2.7	170	6.6	43.9	85
8/9/2009 6:00	14	1.1	2.5	184	6.9	44.4	84
8/9/2009 7:00	9	1.6	3.6	159	7.7	45.9	82
8/9/2009 8:00	26	1.3	2.9	189	9.7	49.5	77
8/9/2009 9:00	5	1.9	4.3	158	14.2	57.6	61
8/9/2009 10:00	28	1.4	3.1	51	16.9	62.4	52
8/9/2009 11:00	114	2.2	4.9	9	18.1	64.6	51
8/9/2009 12:00	62	2.8	6.3	14	19.3	66.7	48
8/9/2009 13:00	59	3.1	6.9	2	20.3	68.5	45
8/9/2009 14:00	31	2.6	5.8	13	21.1	70.0	43
8/9/2009 15:00	29	3.1	6.9	13	21.4	70.5	43
8/9/2009 16:00	49	2.0	4.5	13	18.9	66.0	56
8/9/2009 17:00	5	2.1	4.7	327	15.0	59.0	71
8/9/2009 18:00	29	1.0	2.2	220	17.4	63.3	64
8/9/2009 19:00	14	0.6	1.3	270	18.1	64.6	63
8/9/2009 20:00	10	1.0	2.2	249	14.8	58.6	80
8/9/2009 21:00	7	0.9	2.0	233	12.2	54.0	87
8/9/2009 22:00	14	0.9	2.0	220	11.0	51.8	86
8/9/2009 23:00	14	1.0	2.2	206	10.6	51.1	85
8/10/2009 0:00	16	1.1	2.5	198	9.8	49.6	84
8/10/2009 1:00	12	1.0	2.2	207	9.7	49.5	82
8/10/2009 2:00	8	1.2	2.7	195	9.5	49.1	80
8/10/2009 3:00	21	1.5	3.4	216	9.4	48.9	80
8/10/2009 4:00	6	1.1	2.5	214	8.7	47.7	81
8/10/2009 5:00	22	1.1	2.5	226	8.4	47.1	82
8/10/2009 6:00	3	1.1	2.5	209	8.6	47.5	80
8/10/2009 7:00	23	1.4	3.1	201	10.0	50.0	73
8/10/2009 8:00	17	1.9	4.3	183	12.8	55.0	65
8/10/2009 9:00	8	1.5	3.4	187	16.8	62.2	54
8/10/2009 10:00	17	1.9	4.3	224	19.4	66.9	46
8/10/2009 11:00	20	2.5	5.6	225	20.9	69.6	43
8/10/2009 12:00	28	2.2	4.9	223	22.7	72.9	38
8/10/2009 13:00	35	2.8	6.3	230	24.2	75.6	35
8/10/2009 14:00	18	3.3	7.4	239	24.9	76.8	33
8/10/2009 15:00	29	2.7	6.0	229	24.4	75.9	33
8/10/2009 16:00	19	2.9	6.5	234	25.0	77.0	33
8/10/2009 17:00	18	2.5	5.6	235	25.3	77.5	32
8/10/2009 18:00	32	2.0	4.5	234	25.4	77.7	33
8/10/2009 19:00	26	1.2	2.7	239	25.4	77.7	34
8/10/2009 20:00	35	1.0	2.2	262	21.0	69.8	50
8/10/2009 21:00	12	1.4	3.1	250	16.9	62.4	60
8/10/2009 22:00	22	0.7	1.6	237	14.5	58.1	66

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/10/2009 23:00	6	1.1	2.5	237	13.0	55.4	71
8/11/2009 0:00	22	0.9	2.0	206	12.4	54.3	72
8/11/2009 1:00	2	0.8	1.8	226	10.5	50.9	79
8/11/2009 2:00	26	1.1	2.5	212	10.4	50.7	79
8/11/2009 3:00	2	0.9	2.0	211	10.3	50.5	77
8/11/2009 4:00	12	1.1	2.5	230	11.6	52.9	72
8/11/2009 5:00	22	1.3	2.9	199	10.6	51.1	75
8/11/2009 6:00	20	1.2	2.7	226	10.3	50.5	75
8/11/2009 7:00	21	1.7	3.8	204	12.9	55.2	64
8/11/2009 8:00	23	2.1	4.7	183	16.1	61.0	55
8/11/2009 9:00	14	2.4	5.4	175	19.8	67.6	47
8/11/2009 10:00	27	2.0	4.5	194	22.9	73.2	36
8/11/2009 11:00	35	2.6	5.8	212	24.3	75.7	32
8/11/2009 12:00	33	3.4	7.6	228	25.8	78.4	28
8/11/2009 13:00	30	2.8	6.3	222	27.3	81.1	26
8/11/2009 14:00	34	2.6	5.8	221	28.4	83.1	23
8/11/2009 15:00	42	2.7	6.0	222	29.2	84.6	20
8/11/2009 16:00	29	2.7	6.0	234	28.6	83.5	21
8/11/2009 17:00	55	2.8	6.3	195	26.5	79.7	23
8/11/2009 18:00	233	4.4	9.8	257	25.1	77.2	28
8/11/2009 19:00	15	1.1	2.5	258	25.7	78.3	26
8/11/2009 20:00	34	1.9	4.3	210	23.8	74.8	31
8/11/2009 21:00	29	1.5	3.4	212	21.0	69.8	38
8/11/2009 22:00	15	1.8	4.0	162	18.6	65.5	45
8/11/2009 23:00	18	1.7	3.8	194	17.4	63.3	50
8/12/2009 0:00	13	1.5	3.4	240	15.6	60.1	56
8/12/2009 1:00	17	0.9	2.0	240	13.7	56.7	64
8/12/2009 2:00	-4	0.9	2.0	244	11.0	51.8	74
8/12/2009 3:00	20	1.1	2.5	241	9.3	48.7	79
8/12/2009 4:00	5	0.9	2.0	220	8.1	46.6	82
8/12/2009 5:00	6	1.0	2.2	208	7.3	45.1	84
8/12/2009 6:00	18	0.9	2.0	228	7.3	45.1	83
8/12/2009 7:00	24	1.8	4.0	185	10.1	50.2	75
8/12/2009 8:00	17	1.3	2.9	162	13.7	56.7	63
8/12/2009 9:00	29	1.4	3.1	220	17.8	64.0	52
8/12/2009 10:00	14	1.3	2.9	174	20.6	69.1	43
8/12/2009 11:00	45	1.4	3.1	41	21.9	71.4	41
8/12/2009 12:00	49	1.7	3.8	184	24.6	76.3	33
8/12/2009 13:00	58	3.3	7.4	232	26.2	79.2	25
8/12/2009 14:00	50	2.4	5.4	45	27.0	80.6	32
8/12/2009 15:00	32	2.7	6.0	14	26.8	80.2	31
8/12/2009 16:00	44	3.9	8.7	24	25.8	78.4	34
8/12/2009 17:00	32	3.4	7.6	24	25.7	78.3	31
8/12/2009 18:00	141	5.1	11.4	28	23.8	74.8	35
8/12/2009 19:00	84	5.3	11.9	30	21.6	70.9	44
8/12/2009 20:00	19	4.0	8.9	34	19.8	67.6	49
8/12/2009 21:00	14	3.1	6.9	26	18.6	65.5	51
8/12/2009 22:00	16	1.6	3.6	290	16.4	61.5	58
8/12/2009 23:00	10	1.7	3.8	252	14.1	57.4	66
8/13/2009 0:00	4	1.3	2.9	236	12.4	54.3	73
8/13/2009 1:00	-5	0.7	1.6	211	10.0	50.0	82
8/13/2009 2:00	7	0.7	1.6	225	8.8	47.8	85
8/13/2009 3:00	18	0.8	1.8	219	8.5	47.3	85
8/13/2009 4:00	9	0.7	1.6	235	8.7	47.7	84
8/13/2009 5:00	8	0.9	2.0	208	8.0	46.4	86
8/13/2009 6:00	27	0.9	2.0	181	8.9	48.0	83
8/13/2009 7:00	39	0.7	1.6	226	10.1	50.2	79
8/13/2009 8:00	9	0.7	1.6	215	14.2	57.6	64
8/13/2009 9:00	15	1.5	3.4	35	16.6	61.9	56
8/13/2009 10:00	36	3.1	6.9	20	17.3	63.1	56
8/13/2009 11:00	23	3.0	6.7	18	17.9	64.2	55
8/13/2009 12:00	35	2.7	6.0	16	19.5	67.1	50
8/13/2009 13:00	37	3.2	7.2	16	20.3	68.5	49
8/13/2009 14:00	80	4.7	10.5	19	20.5	68.9	47
8/13/2009 15:00	181	6.2	13.9	21	19.4	66.9	51
8/13/2009 16:00	133	6.0	13.4	21	16.7	62.1	57
8/13/2009 17:00	86	5.5	12.3	28	14.2	57.6	61
8/13/2009 18:00	5	4.0	8.9	19	13.7	56.7	62
8/13/2009 19:00	3	2.4	5.4	360	13.9	57.0	60
8/13/2009 20:00	-3	1.5	3.4	285	12.0	53.6	71
8/13/2009 21:00	9	1.2	2.7	207	9.9	49.8	81
8/13/2009 22:00	16	0.9	2.0	197	9.2	48.6	83
8/13/2009 23:00	-5	1.0	2.2	195	9.0	48.2	81
8/14/2009 0:00	16	1.1	2.5	235	8.0	46.4	83
8/14/2009 1:00	3	1.0	2.2	189	7.0	44.6	88
8/14/2009 2:00	3	1.0	2.2	224	7.6	45.7	86
8/14/2009 3:00	11	0.7	1.6	193	6.9	44.4	89
8/14/2009 4:00	-1	1.0	2.2	216	7.9	46.2	91
8/14/2009 5:00	2	0.9	2.0	203	7.6	45.7	93
8/14/2009 6:00	2	0.8	1.8	236	7.2	45.0	93

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/14/2009 7:00	19	0.6	1.3	126	7.7	45.9	92
8/14/2009 8:00	3	0.7	1.6	122	9.4	48.9	86
8/14/2009 9:00	4	1.0	2.2	127	11.9	53.4	74
8/14/2009 10:00	-4	1.2	2.7	230	14.4	57.9	62
8/14/2009 11:00	26	1.6	3.6	244	14.8	58.6	64
8/14/2009 12:00	13	1.5	3.4	90	17.7	63.9	58
8/14/2009 13:00	51	3.5	7.8	300	15.1	59.2	64
8/14/2009 14:00	-5	2.1	4.7	311	12.6	54.7	77
8/14/2009 15:00	34	2.2	4.9	351	12.2	54.0	77
8/14/2009 16:00	-5	3.8	8.5	22	11.4	52.5	79
8/14/2009 17:00	-5	2.9	6.5	11	10.6	51.1	82
8/14/2009 18:00	-5	2.6	5.8	14	10.7	51.3	82
8/14/2009 19:00	11	2.6	5.8	27	10.7	51.3	81
8/14/2009 20:00	-5	1.8	4.0	9	10.3	50.5	78
8/14/2009 21:00	8	1.3	2.9	298	9.1	48.4	82
8/14/2009 22:00	10	2.0	4.5	288	9.1	48.4	73
8/14/2009 23:00	-4	1.7	3.8	295	7.9	46.2	72
8/15/2009 0:00	-1	1.9	4.3	276	7.3	45.1	71
8/15/2009 1:00	3	1.6	3.6	237	4.5	40.1	79
8/15/2009 2:00	6	1.1	2.5	175	2.6	36.7	85
8/15/2009 3:00	2	1.0	2.2	171	3.6	38.5	83
8/15/2009 4:00	19	1.3	2.9	153	2.9	37.2	84
8/15/2009 5:00	19	1.3	2.9	181	3.7	38.7	81
8/15/2009 6:00	3	1.2	2.7	202	4.1	39.4	80
8/15/2009 7:00	2	1.4	3.1	177	4.8	40.6	78
8/15/2009 8:00	6	1.2	2.7	167	6.9	44.4	72
8/15/2009 9:00	7	1.4	3.1	215	9.4	48.9	62
8/15/2009 10:00	2	2.0	4.5	257	10.9	51.6	58
8/15/2009 11:00	1	2.8	6.3	269	12.2	54.0	53
8/15/2009 12:00	7	3.8	8.5	294	13.0	55.4	51
8/15/2009 13:00	4	3.1	6.9	328	12.4	54.3	55
8/15/2009 14:00	8	4.1	9.2	281	14.1	57.4	49
8/15/2009 15:00	12	3.6	8.1	338	14.1	57.4	48
8/15/2009 16:00	37	4.5	10.1	11	13.3	55.9	54
8/15/2009 17:00	-5	2.4	5.4	279	11.6	52.9	63
8/15/2009 18:00	1	3.3	7.4	33	11.5	52.7	64
8/15/2009 19:00	10	2.5	5.6	44	10.8	51.4	71
8/15/2009 20:00	-5	2.5	5.6	35	10.3	50.5	70
8/15/2009 21:00	3	2.4	5.4	8	9.2	48.6	72
8/15/2009 22:00	-5	1.5	3.4	295	8.7	47.7	68
8/15/2009 23:00	11	1.3	2.9	260	7.5	45.5	71
8/16/2009 0:00	2	1.1	2.5	229	6.6	43.9	74
8/16/2009 1:00	-5	0.8	1.8	198	3.9	39.0	83
8/16/2009 2:00	11	1.1	2.5	206	3.7	38.7	81
8/16/2009 3:00	13	1.0	2.2	173	4.6	40.3	80
8/16/2009 4:00	4	1.2	2.7	190	5.8	42.4	77
8/16/2009 5:00	25	1.4	3.1	172	6.4	43.5	75
8/16/2009 6:00	-5	1.2	2.7	175	6.7	44.1	73
8/16/2009 7:00	8	1.2	2.7	168	6.8	44.2	75
8/16/2009 8:00	16	1.3	2.9	171	8.1	46.6	70
8/16/2009 9:00	-5	1.4	3.1	215	8.6	47.5	72
8/16/2009 10:00	7	1.0	2.2	206	8.4	47.1	78
8/16/2009 11:00	21	1.4	3.1	145	9.7	49.5	75
8/16/2009 12:00	0	1.3	2.9	60	11.2	52.2	68
8/16/2009 13:00	7	2.0	4.5	52	12.1	53.8	66
8/16/2009 14:00	16	1.8	4.0	23	13.1	55.6	63
8/16/2009 15:00	-3	2.2	4.9	331	12.5	54.5	65
8/16/2009 16:00	10	2.2	4.9	46	14.4	57.9	55
8/16/2009 17:00	5	3.6	8.1	335	12.9	55.2	61
8/16/2009 18:00	-4	2.2	4.9	64	13.1	55.6	61
8/16/2009 19:00	16	1.1	2.5	10	13.7	56.7	55
8/16/2009 20:00	-5	1.1	2.5	346	11.4	52.5	74
8/16/2009 21:00	3	1.0	2.2	199	9.3	48.7	84
8/16/2009 22:00	3	0.9	2.0	188	8.1	46.6	90
8/16/2009 23:00	0	0.9	2.0	164	7.1	44.8	90
8/17/2009 0:00	3	0.8	1.8	211	6.2	43.2	91
8/17/2009 1:00	17	0.8	1.8	221	5.6	42.1	91
8/17/2009 2:00	-5	0.8	1.8	223	4.2	39.6	90
8/17/2009 3:00	-5	1.0	2.2	222	3.5	38.3	92
8/17/2009 4:00	8	0.9	2.0	232	2.3	36.1	92
8/17/2009 5:00	-2	1.0	2.2	239	2.2	36.0	92
8/17/2009 6:00	6	0.8	1.8	225	2.4	36.3	92
8/17/2009 7:00	11	1.0	2.2	214	4.3	39.7	85
8/17/2009 8:00	3	1.3	2.9	221	7.3	45.1	77
8/17/2009 9:00	12	1.5	3.4	179	10.4	50.7	68
8/17/2009 10:00	-5	1.3	2.9	152	13.2	55.8	56
8/17/2009 11:00	9	1.3	2.9	79	15.3	59.5	51
8/17/2009 12:00	12	1.8	4.0	9	16.7	62.1	48
8/17/2009 13:00	16	1.4	3.1	74	18.7	65.7	40
8/17/2009 14:00	29	1.7	3.8	30	19.7	67.5	36
8/17/2009 15:00	23	2.2	4.9	32	20.5	68.9	35

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/17/2009 16:00	4	1.9	4.3	72	20.7	69.3	37
8/17/2009 17:00	19	2.4	5.4	38	20.9	69.6	38
8/17/2009 18:00	10	2.8	6.3	11	20.1	68.2	42
8/17/2009 19:00	6	2.3	5.1	8	18.8	65.8	47
8/17/2009 20:00	6	1.0	2.2	331	16.3	61.3	58
8/17/2009 21:00	7	1.0	2.2	255	13.7	56.7	67
8/17/2009 22:00	2	1.0	2.2	240	12.1	53.8	73
8/17/2009 23:00	15	0.6	1.3	193	9.7	49.5	83
8/18/2009 0:00	-2	0.9	2.0	205	9.5	49.1	80
8/18/2009 1:00	5	1.1	2.5	206	9.3	48.7	79
8/18/2009 2:00	-2	1.1	2.5	180	8.1	46.6	81
8/18/2009 3:00	14	1.2	2.7	179	8.3	46.9	79
8/18/2009 4:00	3	0.9	2.0	158	8.6	47.5	79
8/18/2009 5:00	11	1.5	3.4	164	10.0	50.0	73
8/18/2009 6:00	11	2.9	6.5	224	12.6	54.7	59
8/18/2009 7:00	10	1.2	2.7	188	11.2	52.2	69
8/18/2009 8:00	4	2.2	4.9	216	13.1	55.6	60
8/18/2009 9:00	13	3.5	7.8	240	15.4	59.7	51
8/18/2009 10:00	14	2.2	4.9	229	16.1	61.0	50
8/18/2009 11:00	27	2.3	5.1	225	17.6	63.7	48
8/18/2009 12:00	25	3.7	8.3	279	19.9	67.8	44
8/18/2009 13:00	41	4.4	9.8	274	21.3	70.3	41
8/18/2009 14:00	37	4.4	9.8	286	22.6	72.7	39
8/18/2009 15:00	25	4.6	10.3	272	23.4	74.1	37
8/18/2009 16:00	22	4.5	10.1	276	23.3	73.9	37
8/18/2009 17:00	24	3.2	7.2	284	22.4	72.3	40
8/18/2009 18:00	16	3.2	7.2	274	22.3	72.1	40
8/18/2009 19:00	21	3.4	7.6	275	21.9	71.4	41
8/18/2009 20:00	27	2.6	5.8	281	20.3	68.5	44
8/18/2009 21:00	19	1.7	3.8	284	18.7	65.7	48
8/18/2009 22:00	15	1.7	3.8	270	18.1	64.6	50
8/18/2009 23:00	8	3.0	6.7	272	18.0	64.4	50
8/19/2009 0:00	20	2.5	5.6	272	16.9	62.4	53
8/19/2009 1:00	12	1.9	4.3	268	16.1	61.0	56
8/19/2009 2:00	11	2.8	6.3	262	16.4	61.5	55
8/19/2009 3:00	13	2.3	5.1	264	16.5	61.7	55
8/19/2009 4:00	19	1.5	3.4	265	16.1	61.0	56
8/19/2009 5:00	26	1.1	2.5	191	13.9	57.0	66
8/19/2009 6:00	53	1.2	2.7	167	11.9	53.4	72
8/19/2009 7:00	23	1.7	3.8	158	12.6	54.7	69
8/19/2009 8:00	28	1.8	4.0	160	14.8	58.6	64
8/19/2009 9:00	27	1.7	3.8	218	19.1	66.4	51
8/19/2009 10:00	31	3.1	6.9	275	21.0	69.8	44
8/19/2009 11:00	29	2.3	5.1	324	21.8	71.2	42
8/19/2009 12:00	39	2.7	6.0	283	23.3	73.9	37
8/19/2009 13:00	33	1.9	4.3	37	23.9	75.0	37
8/19/2009 14:00	40	2.4	5.4	14	25.6	78.1	32
8/19/2009 15:00	35	2.4	5.4	50	26.2	79.2	32
8/19/2009 16:00	29	3.1	6.9	27	26.1	79.0	31
8/19/2009 17:00	27	3.4	7.6	41	26.4	79.5	30
8/19/2009 18:00	29	3.2	7.2	51	25.7	78.3	32
8/19/2009 19:00	23	3.1	6.9	25	24.4	75.9	34
8/19/2009 20:00	13	1.6	3.6	10	21.0	69.8	45
8/19/2009 21:00	37	0.9	2.0	228	15.9	60.6	63
8/19/2009 22:00	29	1.0	2.2	241	13.4	56.1	70
8/19/2009 23:00	10	1.0	2.2	225	11.6	52.9	76
8/20/2009 0:00	-4	1.0	2.2	233	10.6	51.1	78
8/20/2009 1:00	38	1.0	2.2	211	9.3	48.7	83
8/20/2009 2:00	15	0.9	2.0	234	9.2	48.6	82
8/20/2009 3:00	4	1.3	2.9	228	8.1	46.6	85
8/20/2009 4:00	9	1.1	2.5	205	7.6	45.7	85
8/20/2009 5:00	6	1.0	2.2	221	7.1	44.8	88
8/20/2009 6:00	50	0.9	2.0	229	6.4	43.5	90
8/20/2009 7:00	34	1.3	2.9	221	10.4	50.7	76
8/20/2009 8:00	16	1.6	3.6	218	14.1	57.4	64
8/20/2009 9:00	22	1.6	3.6	196	17.5	63.5	55
8/20/2009 10:00	54	2.0	4.5	178	21.5	70.7	44
8/20/2009 11:00	24	3.1	6.9	144	24.4	75.9	38
8/20/2009 12:00	23	3.2	7.2	126	26.4	79.5	34
8/20/2009 13:00	13	BA	BA	BA	28.1	82.6	29
8/20/2009 14:00	BA	1.7	3.8	127	29.6	85.3	25
8/20/2009 15:00	19	1.6	3.6	99	30.6	87.1	22
8/20/2009 16:00	13	1.8	4.0	68	31.2	88.2	17
8/20/2009 17:00	20	2.8	6.3	18	30.7	87.3	22
8/20/2009 18:00	26	3.0	6.7	13	29.0	84.2	29
8/20/2009 19:00	32	1.6	3.6	349	27.0	80.6	36
8/20/2009 20:00	64	1.2	2.7	240	20.9	69.6	60
8/20/2009 21:00	29	0.9	2.0	185	17.6	63.7	69
8/20/2009 22:00	21	1.3	2.9	233	16.9	62.4	64
8/20/2009 23:00	25	1.1	2.5	224	14.7	58.5	72
8/21/2009 0:00	34	0.8	1.8	224	12.7	54.9	78

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/21/2009 1:00	4	0.8	1.8	234	11.8	53.2	81
8/21/2009 2:00	9	0.8	1.8	220	10.4	50.7	85
8/21/2009 3:00	24	1.2	2.7	232	12.0	53.6	76
8/21/2009 4:00	17	1.5	3.4	222	13.7	56.7	68
8/21/2009 5:00	19	1.7	3.8	226	13.8	56.8	66
8/21/2009 6:00	24	1.7	3.8	211	13.6	56.5	66
8/21/2009 7:00	46	1.8	4.0	196	15.6	60.1	58
8/21/2009 8:00	9	1.6	3.6	185	17.7	63.9	53
8/21/2009 9:00	23	1.4	3.1	202	21.1	70.0	46
8/21/2009 10:00	48	1.2	2.7	223	25.2	77.4	38
8/21/2009 11:00	61	3.1	6.9	18	25.0	77.0	43
8/21/2009 12:00	39	1.8	4.0	355	27.0	80.6	35
8/21/2009 13:00	30	1.4	3.1	8	30.3	86.5	27
8/21/2009 14:00	24	1.8	4.0	58	32.7	90.9	22
8/21/2009 15:00	39	2.3	5.1	210	34.0	93.2	16
8/21/2009 16:00	32	2.2	4.9	266	34.2	93.6	17
8/21/2009 17:00	28	2.7	6.0	246	33.0	91.4	18
8/21/2009 18:00	26	2.6	5.8	302	28.7	83.7	26
8/21/2009 19:00	25	1.7	3.8	358	26.2	79.2	33
8/21/2009 20:00	18	1.5	3.4	274	25.0	77.0	35
8/21/2009 21:00	24	1.4	3.1	269	21.7	71.1	47
8/21/2009 22:00	21	1.6	3.6	289	20.7	69.3	54
8/21/2009 23:00	16	0.8	1.8	221	16.9	62.4	66
8/22/2009 0:00	13	1.2	2.7	214	14.2	57.6	71
8/22/2009 1:00	10	0.9	2.0	195	12.9	55.2	73
8/22/2009 2:00	4	1.5	3.4	245	12.9	55.2	74
8/22/2009 3:00	15	1.2	2.7	216	12.1	53.8	77
8/22/2009 4:00	9	0.9	2.0	164	10.1	50.2	84
8/22/2009 5:00	19	0.9	2.0	229	10.5	50.9	82
8/22/2009 6:00	2	1.0	2.2	236	10.4	50.7	83
8/22/2009 7:00	42	0.6	1.3	214	11.2	52.2	78
8/22/2009 8:00	23	1.0	2.2	199	15.8	60.4	61
8/22/2009 9:00	19	1.2	2.7	245	19.3	66.7	48
8/22/2009 10:00	27	3.3	7.4	19	20.9	69.6	39
8/22/2009 11:00	48	3.8	8.5	13	22.0	71.6	37
8/22/2009 12:00	32	2.7	6.0	17	23.5	74.3	34
8/22/2009 13:00	23	2.5	5.6	4	24.7	76.5	33
8/22/2009 14:00	25	3.3	7.4	12	26.0	78.8	32
8/22/2009 15:00	19	3.4	7.6	12	26.8	80.2	30
8/22/2009 16:00	19	3.8	8.5	6	27.4	81.3	28
8/22/2009 17:00	33	4.3	9.6	12	27.3	81.1	29
8/22/2009 18:00	27	4.1	9.2	10	26.9	80.4	29
8/22/2009 19:00	18	3.1	6.9	15	25.6	78.1	31
8/22/2009 20:00	15	1.3	2.9	311	22.0	71.6	41
8/22/2009 21:00	26	1.4	3.1	244	18.4	65.1	50
8/22/2009 22:00	38	1.1	2.5	215	15.1	59.2	62
8/22/2009 23:00	21	0.9	2.0	235	12.4	54.3	71
8/23/2009 0:00	29	0.7	1.6	209	11.3	52.3	76
8/23/2009 1:00	-1	0.9	2.0	225	10.9	51.6	75
8/23/2009 2:00	21	1.0	2.2	175	10.1	50.2	77
8/23/2009 3:00	10	1.3	2.9	220	10.4	50.7	74
8/23/2009 4:00	2	1.0	2.2	233	9.5	49.1	79
8/23/2009 5:00	52	0.8	1.8	229	8.9	48.0	81
8/23/2009 6:00	51	1.2	2.7	232	9.6	49.3	77
8/23/2009 7:00	23	1.4	3.1	186	12.6	54.7	68
8/23/2009 8:00	70	1.5	3.4	223	14.8	58.6	63
8/23/2009 9:00	29	1.3	2.9	197	16.9	62.4	58
8/23/2009 10:00	17	1.6	3.6	191	18.1	64.6	57
8/23/2009 11:00	17	1.4	3.1	159	19.8	67.6	51
8/23/2009 12:00	17	1.5	3.4	188	21.1	70.0	50
8/23/2009 13:00	50	3.9	8.7	136	22.7	72.9	42
8/23/2009 14:00	67	4.8	10.7	148	21.9	71.4	44
8/23/2009 15:00	149	6.5	14.5	137	20.5	68.9	51
8/23/2009 16:00	106	6.7	15.0	133	18.4	65.1	59
8/23/2009 17:00	25	4.8	10.7	124	17.5	63.5	62
8/23/2009 18:00	-5	2.7	6.0	161	14.5	58.1	82
8/23/2009 19:00	9	1.0	2.2	205	13.5	56.3	86
8/23/2009 20:00	6	0.8	1.8	198	13.5	56.3	88
8/23/2009 21:00	6	0.8	1.8	207	13.2	55.8	89
8/23/2009 22:00	5	0.9	2.0	214	12.9	55.2	89
8/23/2009 23:00	7	0.8	1.8	220	12.9	55.2	88
8/24/2009 0:00	-3	0.8	1.8	205	12.3	54.1	89
8/24/2009 1:00	4	0.7	1.6	190	11.7	53.1	90
8/24/2009 2:00	25	1.3	2.9	235	11.5	52.7	84
8/24/2009 3:00	0	0.9	2.0	266	10.7	51.3	81
8/24/2009 4:00	17	0.7	1.6	249	9.0	48.2	93
8/24/2009 5:00	4	1.0	2.2	212	8.0	46.4	88
8/24/2009 6:00	43	0.8	1.8	223	6.6	43.9	93
8/24/2009 7:00	7	0.9	2.0	158	7.5	45.5	92
8/24/2009 8:00	21	1.3	2.9	161	11.0	51.8	79

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/24/2009 9:00	8	1.6	3.6	143	13.9	57.0	71
8/24/2009 10:00	11	1.0	2.2	104	16.6	61.9	57
8/24/2009 11:00	10	1.3	2.9	121	18.0	64.4	48
8/24/2009 12:00	18	1.2	2.7	39	19.9	67.8	41
8/24/2009 13:00	BA	1.8	4.0	93	22.4	72.3	35
8/24/2009 14:00	BA	1.7	3.8	93	22.9	73.2	34
8/24/2009 15:00	54	1.6	3.6	97	23.9	75.0	31
8/24/2009 16:00	17	1.3	2.9	2	24.7	76.5	27
8/24/2009 17:00	17	1.2	2.7	167	25.8	78.4	24
8/24/2009 18:00	8	1.1	2.5	108	25.3	77.5	26
8/24/2009 19:00	25	2.0	4.5	23	22.3	72.1	39
8/24/2009 20:00	29	0.9	2.0	304	17.3	63.1	56
8/24/2009 21:00	18	1.7	3.8	259	14.0	57.2	64
8/24/2009 22:00	10	1.3	2.9	216	11.8	53.2	69
8/24/2009 23:00	20	1.2	2.7	218	11.0	51.8	70
8/25/2009 0:00	-3	1.2	2.7	216	9.0	48.2	76
8/25/2009 1:00	21	1.2	2.7	232	7.9	46.2	78
8/25/2009 2:00	16	1.3	2.9	219	7.7	45.9	76
8/25/2009 3:00	5	1.3	2.9	231	9.0	48.2	69
8/25/2009 4:00	14	1.4	3.1	215	10.2	50.4	64
8/25/2009 5:00	11	1.4	3.1	215	9.2	48.6	67
8/25/2009 6:00	16	1.3	2.9	197	9.5	49.1	68
8/25/2009 7:00	11	1.2	2.7	224	10.9	51.6	63
8/25/2009 8:00	23	1.4	3.1	222	13.4	56.1	58
8/25/2009 9:00	32	1.7	3.8	180	17.2	63.0	50
8/25/2009 10:00	18	1.6	3.6	207	21.1	70.0	37
8/25/2009 11:00	18	1.7	3.8	215	23.8	74.8	28
8/25/2009 12:00	17	2.0	4.5	204	25.9	78.6	22
8/25/2009 13:00	25	2.2	4.9	219	27.0	80.6	20
8/25/2009 14:00	35	2.4	5.4	220	27.6	81.7	21
8/25/2009 15:00	17	2.9	6.5	241	26.7	80.1	24
8/25/2009 16:00	23	3.1	6.9	242	27.3	81.1	23
8/25/2009 17:00	41	1.7	3.8	240	26.9	80.4	26
8/25/2009 18:00	20	1.2	2.7	262	24.9	76.8	32
8/25/2009 19:00	25	1.0	2.2	266	21.9	71.4	46
8/25/2009 20:00	26	1.0	2.2	215	19.5	67.1	50
8/25/2009 21:00	8	1.4	3.1	236	17.4	63.3	51
8/25/2009 22:00	21	1.3	2.9	253	16.5	61.7	51
8/25/2009 23:00	10	1.5	3.4	252	14.7	58.5	60
8/26/2009 0:00	20	1.0	2.2	198	11.9	53.4	71
8/26/2009 1:00	18	1.3	2.9	230	10.3	50.5	76
8/26/2009 2:00	-3	1.1	2.5	235	9.2	48.6	78
8/26/2009 3:00	11	1.2	2.7	242	10.0	50.0	72
8/26/2009 4:00	13	1.4	3.1	227	11.8	53.2	64
8/26/2009 5:00	15	1.5	3.4	223	11.8	53.2	64
8/26/2009 6:00	17	1.8	4.0	204	11.6	52.9	65
8/26/2009 7:00	36	1.7	3.8	204	13.1	55.6	59
8/26/2009 8:00	55	2.2	4.9	167	16.4	61.5	51
8/26/2009 9:00	45	2.5	5.6	161	20.1	68.2	43
8/26/2009 10:00	35	2.4	5.4	167	23.9	75.0	36
8/26/2009 11:00	48	2.0	4.5	217	26.2	79.2	29
8/26/2009 12:00	29	3.5	7.8	244	27.4	81.3	28
8/26/2009 13:00	48	3.1	6.9	230	28.4	83.1	22
8/26/2009 14:00	35	3.6	8.1	232	29.1	84.4	19
8/26/2009 15:00	26	2.9	6.5	229	29.9	85.8	16
8/26/2009 16:00	19	2.5	5.6	221	30.0	86.0	17
8/26/2009 17:00	24	2.4	5.4	249	29.8	85.6	18
8/26/2009 18:00	41	2.4	5.4	87	29.2	84.6	19
8/26/2009 19:00	25	3.4	7.6	38	26.3	79.3	23
8/26/2009 20:00	26	2.0	4.5	341	23.4	74.1	30
8/26/2009 21:00	26	1.4	3.1	303	20.2	68.4	38
8/26/2009 22:00	28	1.8	4.0	255	17.1	62.8	48
8/26/2009 23:00	24	0.9	2.0	225	13.1	55.6	62
8/27/2009 0:00	22	1.0	2.2	193	11.3	52.3	68
8/27/2009 1:00	10	1.6	3.6	236	11.5	52.7	65
8/27/2009 2:00	22	1.1	2.5	211	9.5	49.1	72
8/27/2009 3:00	12	1.0	2.2	219	9.1	48.4	72
8/27/2009 4:00	16	1.2	2.7	215	8.9	48.0	71
8/27/2009 5:00	14	0.8	1.8	212	7.6	45.7	75
8/27/2009 6:00	29	0.9	2.0	218	6.8	44.2	78
8/27/2009 7:00	35	0.9	2.0	204	8.0	46.4	73
8/27/2009 8:00	54	1.4	3.1	183	13.1	55.6	56
8/27/2009 9:00	41	1.5	3.4	188	18.0	64.4	43
8/27/2009 10:00	23	1.4	3.1	197	22.4	72.3	33
8/27/2009 11:00	30	1.3	2.9	177	26.2	79.2	23
8/27/2009 12:00	31	2.0	4.5	68	27.7	81.9	19
8/27/2009 13:00	29	2.4	5.4	49	28.5	83.3	18
8/27/2009 14:00	41	3.2	7.2	34	28.9	84.0	19
8/27/2009 15:00	49	3.6	8.1	22	29.0	84.2	18
8/27/2009 16:00	28	3.5	7.8	18	29.0	84.2	16
8/27/2009 17:00	26	3.5	7.8	9	28.9	84.0	15

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/27/2009 18:00	14	2.6	5.8	351	28.0	82.4	19
8/27/2009 19:00	12	1.5	3.4	346	25.9	78.6	23
8/27/2009 20:00	36	1.0	2.2	250	19.5	67.1	42
8/27/2009 21:00	32	0.9	2.0	223	14.9	58.8	55
8/27/2009 22:00	16	1.1	2.5	231	12.2	54.0	63
8/27/2009 23:00	10	0.7	1.6	223	10.4	50.7	68
8/28/2009 0:00	16	1.2	2.7	235	9.1	48.4	69
8/28/2009 1:00	-4	0.8	1.8	231	8.3	46.9	70
8/28/2009 2:00	26	0.9	2.0	226	6.8	44.2	77
8/28/2009 3:00	5	1.0	2.2	221	6.8	44.2	75
8/28/2009 4:00	13	1.2	2.7	226	6.0	42.8	77
8/28/2009 5:00	6	0.8	1.8	226	5.6	42.1	78
8/28/2009 6:00	20	1.0	2.2	228	5.5	41.9	78
8/28/2009 7:00	20	1.1	2.5	231	7.1	44.8	71
8/28/2009 8:00	49	1.0	2.2	202	12.5	54.5	53
8/28/2009 9:00	40	1.6	3.6	197	17.2	63.0	40
8/28/2009 10:00	42	1.6	3.6	199	20.6	69.1	33
8/28/2009 11:00	27	1.9	4.3	173	24.6	76.3	25
8/28/2009 12:00	34	2.3	5.1	44	25.8	78.4	27
8/28/2009 13:00	31	2.3	5.1	25	27.3	81.1	22
8/28/2009 14:00	30	2.3	5.1	24	28.8	83.8	21
8/28/2009 15:00	75	2.5	5.6	239	27.8	82.0	22
8/28/2009 16:00	46	1.9	4.3	205	28.7	83.7	19
8/28/2009 17:00	26	1.5	3.4	211	30.9	87.6	16
8/28/2009 18:00	40	1.2	2.7	146	27.5	81.5	25
8/28/2009 19:00	40	1.2	2.7	216	25.2	77.4	35
8/28/2009 20:00	35	1.3	2.9	244	19.6	67.3	47
8/28/2009 21:00	38	0.9	2.0	233	16.6	61.9	52
8/28/2009 22:00	24	0.9	2.0	229	13.4	56.1	63
8/28/2009 23:00	17	1.0	2.2	234	11.6	52.9	70
8/29/2009 0:00	26	0.7	1.6	229	11.8	53.2	71
8/29/2009 1:00	22	0.8	1.8	199	12.7	54.9	66
8/29/2009 2:00	12	0.7	1.6	224	12.1	53.8	65
8/29/2009 3:00	13	0.7	1.6	250	10.2	50.4	73
8/29/2009 4:00	11	0.8	1.8	233	9.7	49.5	74
8/29/2009 5:00	11	1.1	2.5	188	10.8	51.4	69
8/29/2009 6:00	16	1.1	2.5	236	10.8	51.4	67
8/29/2009 7:00	30	1.2	2.7	154	11.7	53.1	67
8/29/2009 8:00	16	1.5	3.4	235	13.8	56.8	60
8/29/2009 9:00	58	1.1	2.5	212	16.9	62.4	48
8/29/2009 10:00	31	1.0	2.2	217	20.2	68.4	42
8/29/2009 11:00	30	2.8	6.3	133	23.9	75.0	31
8/29/2009 12:00	31	2.8	6.3	129	24.7	76.5	30
8/29/2009 13:00	24	2.1	4.7	99	25.9	78.6	26
8/29/2009 14:00	26	2.3	5.1	19	26.1	79.0	29
8/29/2009 15:00	29	3.3	7.4	24	25.6	78.1	30
8/29/2009 16:00	41	4.0	8.9	24	24.6	76.3	34
8/29/2009 17:00	35	3.4	7.6	24	23.6	74.5	38
8/29/2009 18:00	31	3.3	7.4	27	22.3	72.1	40
8/29/2009 19:00	32	1.9	4.3	60	21.1	70.0	44
8/29/2009 20:00	25	1.0	2.2	308	19.2	66.6	51
8/29/2009 21:00	27	1.7	3.8	34	19.3	66.7	48
8/29/2009 22:00	54	0.9	2.0	247	16.4	61.5	60
8/29/2009 23:00	28	1.1	2.5	197	14.8	58.6	64
8/30/2009 0:00	19	1.0	2.2	215	12.9	55.2	71
8/30/2009 1:00	22	0.8	1.8	228	11.5	52.7	75
8/30/2009 2:00	17	0.9	2.0	190	11.1	52.0	76
8/30/2009 3:00	22	1.3	2.9	198	12.1	53.8	69
8/30/2009 4:00	17	0.7	1.6	192	11.1	52.0	74
8/30/2009 5:00	20	0.9	2.0	165	11.4	52.5	71
8/30/2009 6:00	5	1.3	2.9	229	11.5	52.7	73
8/30/2009 7:00	41	2.9	6.5	253	14.7	58.5	67
8/30/2009 8:00	14	2.9	6.5	243	16.0	60.8	63
8/30/2009 9:00	19	1.6	3.6	332	18.4	65.1	52
8/30/2009 10:00	20	2.9	6.5	37	19.2	66.6	47
8/30/2009 11:00	23	2.5	5.6	25	20.3	68.5	44
8/30/2009 12:00	30	1.6	3.6	318	22.0	71.6	39
8/30/2009 13:00	25	1.6	3.6	345	23.9	75.0	34
8/30/2009 14:00	24	2.3	5.1	13	25.0	77.0	34
8/30/2009 15:00	19	2.6	5.8	4	26.2	79.2	32
8/30/2009 16:00	26	2.5	5.6	3	26.8	80.2	30
8/30/2009 17:00	23	2.5	5.6	349	26.7	80.1	30
8/30/2009 18:00	35	1.5	3.4	4	27.5	81.5	29
8/30/2009 19:00	107	3.0	6.7	211	22.7	72.9	41
8/30/2009 20:00	44	5.7	12.8	248	18.9	66.0	48
8/30/2009 21:00	25	4.7	10.5	254	17.5	63.5	52
8/30/2009 22:00	242	6.1	13.6	239	16.9	62.4	54
8/30/2009 23:00	10	2.3	5.1	164	12.8	55.0	85
8/31/2009 0:00	12	2.9	6.5	64	11.9	53.4	90
8/31/2009 1:00	0	1.1	2.5	183	11.5	52.7	90

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/31/2009 2:00	12	0.8	1.8	198	11.1	52.0	90
8/31/2009 3:00	6	1.6	3.6	243	11.7	53.1	88
8/31/2009 4:00	-5	2.0	4.5	237	12.5	54.5	81
8/31/2009 5:00	8	1.3	2.9	248	11.8	53.2	84
8/31/2009 6:00	1	1.1	2.5	245	10.8	51.4	87
8/31/2009 7:00	16	1.0	2.2	269	11.0	51.8	86
8/31/2009 8:00	35	0.7	1.6	329	12.7	54.9	78
8/31/2009 9:00	23	1.2	2.7	85	14.7	58.5	71
8/31/2009 10:00	5	1.0	2.2	348	16.0	60.8	64
8/31/2009 11:00	7	1.0	2.2	144	18.8	65.8	55
8/31/2009 12:00	14	1.4	3.1	188	20.5	68.9	49
8/31/2009 13:00	12	4.0	8.9	241	19.5	67.1	54
8/31/2009 14:00	6	3.0	6.7	240	21.0	69.8	44
8/31/2009 15:00	15	2.7	6.0	193	22.0	71.6	41
8/31/2009 16:00	10	4.0	8.9	142	19.7	67.5	47
8/31/2009 17:00	10	3.1	6.9	149	19.8	67.6	44
8/31/2009 18:00	7	1.9	4.3	159	18.7	65.7	50
8/31/2009 19:00	10	0.6	1.3	225	17.8	64.0	57
8/31/2009 20:00	11	1.1	2.5	329	16.0	60.8	68
8/31/2009 21:00	-5	0.7	1.6	228	14.7	58.5	76
8/31/2009 22:00	18	0.7	1.6	169	14.4	57.9	78
8/31/2009 23:00	5	1.0	2.2	197	14.7	58.5	78
9/1/2009 0:00	-5	0.9	2.0	184	14.1	57.4	79

AV = Power outage

BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
August 2009

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/1/2009 1:00	5	1.4	3.1	159	11.7	53.1	80
8/1/2009 2:00	10	1.7	3.8	178	11.8	53.2	79
8/1/2009 3:00	-2	1.6	3.6	169	12.0	53.6	77
8/1/2009 4:00	0	2.0	4.5	190	12.5	54.5	76
8/1/2009 5:00	11	1.8	4.0	187	11.8	53.2	78
8/1/2009 6:00	1	1.7	3.8	192	11.6	52.9	78
8/1/2009 7:00	15	1.5	3.4	189	13.7	56.7	71
8/1/2009 8:00	17	1.3	2.9	151	17.9	64.2	59
8/1/2009 9:00	20	2.4	5.4	181	20.9	69.6	47
8/1/2009 10:00	12	2.5	5.6	188	23.4	74.1	42
8/1/2009 11:00	19	1.8	4.0	182	26.8	80.2	31
8/1/2009 12:00	20	1.6	3.6	334	28.0	82.4	27
8/1/2009 13:00	6	1.8	4.0	1	28.3	82.9	29
8/1/2009 14:00	19	1.7	3.8	39	28.9	84.0	28
8/1/2009 15:00	2	1.3	2.9	14	29.1	84.4	26
8/1/2009 16:00	13	1.0	2.2	39	29.7	85.5	23
8/1/2009 17:00	8	1.4	3.1	316	30.0	86.0	22
8/1/2009 18:00	-2	1.4	3.1	314	28.7	83.7	27
8/1/2009 19:00	18	0.8	1.8	286	27.8	82.0	33
8/1/2009 20:00	7	0.6	1.3	271	23.4	74.1	49
8/1/2009 21:00	-5	0.8	1.8	233	17.3	63.1	61
8/1/2009 22:00	5	0.7	1.6	116	15.4	59.7	66
8/1/2009 23:00	12	1.1	2.5	118	15.0	59.0	63
8/2/2009 0:00	7	1.6	3.6	148	14.6	58.3	61
8/2/2009 1:00	10	1.4	3.1	178	13.5	56.3	64
8/2/2009 2:00	9	1.2	2.7	185	13.1	55.6	61
8/2/2009 3:00	18	1.4	3.1	187	13.8	56.8	57
8/2/2009 4:00	11	2.3	5.1	201	14.1	57.4	55
8/2/2009 5:00	12	2.4	5.4	204	13.7	56.7	55
8/2/2009 6:00	9	1.9	4.3	206	13.7	56.7	53
8/2/2009 7:00	11	1.7	3.8	166	15.2	59.4	49
8/2/2009 8:00	29	3.0	6.7	189	18.9	66.0	40
8/2/2009 9:00	13	3.1	6.9	191	22.3	72.1	32
8/2/2009 10:00	25	3.0	6.7	210	25.5	77.9	27
8/2/2009 11:00	21	3.0	6.7	231	27.2	81.0	27
8/2/2009 12:00	27	3.0	6.7	233	28.7	83.7	24
8/2/2009 13:00	11	4.9	11.0	261	28.1	82.6	25
8/2/2009 14:00	11	4.1	9.2	256	27.4	81.3	26
8/2/2009 15:00	10	3.7	8.3	288	27.4	81.3	25
8/2/2009 16:00	28	4.1	9.2	279	28.8	83.8	21
8/2/2009 17:00	6	4.3	9.6	287	28.9	84.0	19
8/2/2009 18:00	-5	3.7	8.3	273	27.9	82.2	20
8/2/2009 19:00	18	1.9	4.3	273	27.0	80.6	24
8/2/2009 20:00	4	1.4	3.1	282	21.6	70.9	38
8/2/2009 21:00	-5	0.9	2.0	256	16.6	61.9	51
8/2/2009 22:00	-2	0.7	1.6	119	15.2	59.4	55
8/2/2009 23:00	13	0.7	1.6	349	12.6	54.7	66
8/3/2009 0:00	14	0.8	1.8	159	11.2	52.2	73
8/3/2009 1:00	1	0.7	1.6	281	10.0	50.0	74
8/3/2009 2:00	15	1.0	2.2	140	11.2	52.2	68
8/3/2009 3:00	9	1.3	2.9	171	11.5	52.7	65
8/3/2009 4:00	13	1.5	3.4	177	11.2	52.2	66
8/3/2009 5:00	12	1.1	2.5	122	10.5	50.9	66
8/3/2009 6:00	17	1.4	3.1	188	11.0	51.8	64
8/3/2009 7:00	13	1.4	3.1	156	13.4	56.1	59
8/3/2009 8:00	34	1.1	2.5	191	18.2	64.8	49
8/3/2009 9:00	26	0.7	1.6	34	20.9	69.6	46
8/3/2009 10:00	18	0.9	2.0	110	24.6	76.3	36
8/3/2009 11:00	33	1.3	2.9	171	26.5	79.7	29
8/3/2009 12:00	27	1.7	3.8	206	27.0	80.6	28
8/3/2009 13:00	17	2.0	4.5	284	27.8	82.0	26
8/3/2009 14:00	25	1.4	3.1	347	28.2	82.8	26
8/3/2009 15:00	18	1.4	3.1	355	28.6	83.5	25
8/3/2009 16:00	22	1.8	4.0	349	29.2	84.6	24
8/3/2009 17:00	9	1.5	3.4	346	29.0	84.2	25
8/3/2009 18:00	20	1.0	2.2	18	28.7	83.7	26
8/3/2009 19:00	23	0.6	1.3	347	25.8	78.4	37
8/3/2009 20:00	15	0.6	1.3	256	21.3	70.3	54
8/3/2009 21:00	0	1.0	2.2	193	19.5	67.1	55
8/3/2009 22:00	19	1.4	3.1	152	19.4	66.9	50
8/3/2009 23:00	22	1.9	4.3	174	19.8	67.6	49
8/4/2009 0:00	24	2.1	4.7	167	19.5	67.1	54
8/4/2009 1:00	10	1.3	2.9	151	18.1	64.6	58
8/4/2009 2:00	3	1.8	4.0	183	17.6	63.7	54
8/4/2009 3:00	15	1.6	3.6	183	16.0	60.8	61
8/4/2009 4:00	12	1.5	3.4	182	15.3	59.5	63

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/4/2009 5:00	6	1.8	4.0	177	15.2	59.4	62
8/4/2009 6:00	14	1.5	3.4	152	15.0	59.0	63
8/4/2009 7:00	17	0.9	2.0	264	16.0	60.8	59
8/4/2009 8:00	31	1.1	2.5	182	19.6	67.3	48
8/4/2009 9:00	22	1.3	2.9	251	22.6	72.7	44
8/4/2009 10:00	17	2.2	4.9	159	24.7	76.5	36
8/4/2009 11:00	21	2.3	5.1	247	27.3	81.1	26
8/4/2009 12:00	17	2.3	5.1	217	28.5	83.3	23
8/4/2009 13:00	8	3.4	7.6	282	28.8	83.8	20
8/4/2009 14:00	9	3.9	8.7	281	29.5	85.1	17
8/4/2009 15:00	105	4.2	9.4	279	30.0	86.0	14
8/4/2009 16:00	3	4.3	9.6	263	29.8	85.6	14
8/4/2009 17:00	-1	3.3	7.4	261	29.6	85.3	15
8/4/2009 18:00	9	2.8	6.3	286	28.7	83.7	15
8/4/2009 19:00	9	1.4	3.1	305	26.5	79.7	25
8/4/2009 20:00	-4	0.5	1.1	348	21.0	69.8	41
8/4/2009 21:00	1	0.9	2.0	49	19.9	67.8	45
8/4/2009 22:00	13	0.7	1.6	11	18.3	64.9	61
8/4/2009 23:00	-2	0.7	1.6	55	16.0	60.8	71
8/5/2009 0:00	21	0.7	1.6	155	14.7	58.5	76
8/5/2009 1:00	7	0.9	2.0	44	14.5	58.1	77
8/5/2009 2:00	6	0.8	1.8	350	13.5	56.3	81
8/5/2009 3:00	19	1.3	2.9	340	13.5	56.3	80
8/5/2009 4:00	-5	1.3	2.9	276	12.5	54.5	84
8/5/2009 5:00	18	0.7	1.6	186	11.1	52.0	88
8/5/2009 6:00	2	0.9	2.0	179	11.2	52.2	88
8/5/2009 7:00	25	1.0	2.2	165	12.7	54.9	82
8/5/2009 8:00	7	1.3	2.9	215	15.9	60.6	68
8/5/2009 9:00	22	1.4	3.1	218	18.7	65.7	56
8/5/2009 10:00	24	1.1	2.5	272	20.4	68.7	53
8/5/2009 11:00	23	1.2	2.7	248	20.4	68.7	56
8/5/2009 12:00	1	1.4	3.1	35	21.8	71.2	52
8/5/2009 13:00	26	3.8	8.5	324	20.7	69.3	56
8/5/2009 14:00	10	1.8	4.0	11	21.9	71.4	48
8/5/2009 15:00	17	3.6	8.1	336	23.6	74.5	43
8/5/2009 16:00	12	2.0	4.5	221	20.3	68.5	53
8/5/2009 17:00	1	2.8	6.3	164	17.1	62.8	72
8/5/2009 18:00	23	2.7	6.0	233	16.4	61.5	76
8/5/2009 19:00	6	0.8	1.8	21	17.1	62.8	75
8/5/2009 20:00	16	1.4	3.1	238	15.5	59.9	83
8/5/2009 21:00	1	1.4	3.1	188	15.0	59.0	84
8/5/2009 22:00	1	2.4	5.4	195	14.4	57.9	84
8/5/2009 23:00	12	2.2	4.9	207	14.4	57.9	80
8/6/2009 0:00	13	1.8	4.0	233	14.4	57.9	77
8/6/2009 1:00	-1	0.6	1.3	201	13.8	56.8	82
8/6/2009 2:00	12	0.9	2.0	228	13.1	55.6	81
8/6/2009 3:00	-5	1.4	3.1	92	13.9	57.0	79
8/6/2009 4:00	-1	1.5	3.4	322	12.6	54.7	86
8/6/2009 5:00	17	0.8	1.8	153	12.7	54.9	89
8/6/2009 6:00	-5	0.7	1.6	219	12.1	53.8	92
8/6/2009 7:00	0	1.5	3.4	183	12.6	54.7	88
8/6/2009 8:00	13	2.1	4.7	230	13.9	57.0	83
8/6/2009 9:00	6	2.0	4.5	205	17.2	63.0	68
8/6/2009 10:00	18	1.7	3.8	220	18.3	64.9	65
8/6/2009 11:00	3	1.3	2.9	47	18.5	65.3	65
8/6/2009 12:00	1	1.3	2.9	321	19.9	67.8	55
8/6/2009 13:00	15	1.6	3.6	311	21.8	71.2	47
8/6/2009 14:00	-5	2.0	4.5	336	18.0	64.4	67
8/6/2009 15:00	-1	1.7	3.8	50	16.0	60.8	79
8/6/2009 16:00	-5	1.8	4.0	313	15.7	60.3	82
8/6/2009 17:00	21	2.2	4.9	3	18.3	64.9	69
8/6/2009 18:00	7	1.2	2.7	43	18.0	64.4	65
8/6/2009 19:00	-5	1.5	3.4	243	15.9	60.6	79
8/6/2009 20:00	8	0.7	1.6	266	14.9	58.8	83
8/6/2009 21:00	8	0.9	2.0	333	13.9	57.0	86
8/6/2009 22:00	-1	0.9	2.0	211	12.3	54.1	90
8/6/2009 23:00	5	0.7	1.6	0	12.2	54.0	90
8/7/2009 0:00	0	0.9	2.0	155	12.2	54.0	91
8/7/2009 1:00	-4	1.2	2.7	297	12.1	53.8	91
8/7/2009 2:00	8	1.4	3.1	206	11.9	53.4	91
8/7/2009 3:00	2	1.0	2.2	200	11.7	53.1	92
8/7/2009 4:00	6	0.8	1.8	106	11.8	53.2	93
8/7/2009 5:00	0	1.0	2.2	154	11.4	52.5	88
8/7/2009 6:00	4	0.9	2.0	175	10.4	50.7	89
8/7/2009 7:00	19	1.0	2.2	187	11.3	52.3	85
8/7/2009 8:00	-5	1.0	2.2	156	12.6	54.7	82
8/7/2009 9:00	15	1.2	2.7	35	15.3	59.5	70
8/7/2009 10:00	0	1.2	2.7	20	16.2	61.2	68
8/7/2009 11:00	16	1.3	2.9	34	18.0	64.4	60
8/7/2009 12:00	12	4.8	10.7	213	17.5	63.5	54
8/7/2009 13:00	7	4.9	11.0	223	15.3	59.5	57

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/7/2009 14:00	-5	2.9	6.5	230	15.7	60.3	55
8/7/2009 15:00	8	1.7	3.8	192	17.2	63.0	51
8/7/2009 16:00	7	2.1	4.7	9	16.5	61.7	61
8/7/2009 17:00	10	2.1	4.7	339	15.1	59.2	65
8/7/2009 18:00	5	1.6	3.6	340	13.7	56.7	68
8/7/2009 19:00	5	1.3	2.9	345	12.7	54.9	72
8/7/2009 20:00	-5	1.1	2.5	45	11.2	52.2	77
8/7/2009 21:00	6	1.2	2.7	327	10.0	50.0	83
8/7/2009 22:00	15	0.5	1.1	247	8.9	48.0	88
8/7/2009 23:00	5	0.7	1.6	297	8.6	47.5	89
8/8/2009 0:00	-5	0.7	1.6	87	8.1	46.6	92
8/8/2009 1:00	23	0.7	1.6	266	7.4	45.3	92
8/8/2009 2:00	-5	0.4	0.9	352	7.1	44.8	92
8/8/2009 3:00	-5	0.6	1.3	324	8.0	46.4	92
8/8/2009 4:00	17	0.6	1.3	304	8.5	47.3	92
8/8/2009 5:00	-1	0.5	1.1	301	8.4	47.1	92
8/8/2009 6:00	2	0.5	1.1	67	7.9	46.2	92
8/8/2009 7:00	4	0.7	1.6	356	9.1	48.4	92
8/8/2009 8:00	21	1.2	2.7	348	10.1	50.2	88
8/8/2009 9:00	-5	1.2	2.7	356	11.0	51.8	83
8/8/2009 10:00	23	1.1	2.5	12	11.2	52.2	81
8/8/2009 11:00	6	1.2	2.7	15	14.0	57.2	66
8/8/2009 12:00	3	1.5	3.4	7	15.9	60.6	59
8/8/2009 13:00	9	1.9	4.3	349	16.5	61.7	57
8/8/2009 14:00	8	1.5	3.4	16	17.3	63.1	53
8/8/2009 15:00	1	1.5	3.4	100	18.0	64.4	51
8/8/2009 16:00	5	1.2	2.7	24	18.9	66.0	46
8/8/2009 17:00	13	1.2	2.7	12	19.1	66.4	44
8/8/2009 18:00	-5	0.8	1.8	356	18.4	65.1	47
8/8/2009 19:00	-1	0.9	2.0	3	18.3	64.9	47
8/8/2009 20:00	13	0.5	1.1	206	15.7	60.3	66
8/8/2009 21:00	-5	0.6	1.3	297	11.0	51.8	80
8/8/2009 22:00	12	0.6	1.3	120	9.7	49.5	83
8/8/2009 23:00	15	1.0	2.2	121	11.0	51.8	80
8/9/2009 0:00	-5	0.8	1.8	139	9.8	49.6	81
8/9/2009 1:00	2	0.6	1.3	294	7.2	45.0	90
8/9/2009 2:00	7	0.6	1.3	50	6.4	43.5	91
8/9/2009 3:00	25	0.5	1.1	10	5.9	42.6	91
8/9/2009 4:00	22	0.5	1.1	246	5.1	41.2	92
8/9/2009 5:00	12	0.7	1.6	193	5.7	42.3	92
8/9/2009 6:00	7	0.6	1.3	204	5.3	41.5	92
8/9/2009 7:00	7	1.4	3.1	195	7.5	45.5	89
8/9/2009 8:00	25	1.3	2.9	197	11.5	52.7	74
8/9/2009 9:00	16	0.8	1.8	347	14.6	58.3	62
8/9/2009 10:00	11	1.0	2.2	26	16.6	61.9	57
8/9/2009 11:00	23	1.4	3.1	0	18.4	65.1	49
8/9/2009 12:00	16	1.3	2.9	12	19.9	67.8	45
8/9/2009 13:00	10	1.7	3.8	355	20.7	69.3	43
8/9/2009 14:00	24	1.5	3.4	35	21.6	70.9	41
8/9/2009 15:00	7	1.3	2.9	357	20.6	69.1	45
8/9/2009 16:00	22	0.8	1.8	47	20.0	68.0	49
8/9/2009 17:00	-5	2.4	5.4	208	16.4	61.5	68
8/9/2009 18:00	23	1.3	2.9	224	17.7	63.9	60
8/9/2009 19:00	18	0.9	2.0	215	17.2	63.0	69
8/9/2009 20:00	0	0.6	1.3	317	15.5	59.9	74
8/9/2009 21:00	18	0.7	1.6	227	11.8	53.2	88
8/9/2009 22:00	11	1.0	2.2	176	11.3	52.3	88
8/9/2009 23:00	16	1.2	2.7	184	11.5	52.7	85
8/10/2009 0:00	5	1.1	2.5	163	10.8	51.4	83
8/10/2009 1:00	16	2.4	5.4	195	10.8	51.4	81
8/10/2009 2:00	11	2.3	5.1	199	10.3	50.5	81
8/10/2009 3:00	15	2.0	4.5	197	10.0	50.0	81
8/10/2009 4:00	6	2.2	4.9	203	9.6	49.3	81
8/10/2009 5:00	20	2.1	4.7	201	9.4	48.9	81
8/10/2009 6:00	9	1.7	3.8	189	9.2	48.6	81
8/10/2009 7:00	33	2.4	5.4	203	10.5	50.9	75
8/10/2009 8:00	24	2.0	4.5	200	14.3	57.7	62
8/10/2009 9:00	14	2.9	6.5	189	17.7	63.9	52
8/10/2009 10:00	18	3.4	7.6	196	20.0	68.0	45
8/10/2009 11:00	19	3.1	6.9	194	22.2	72.0	39
8/10/2009 12:00	10	3.0	6.7	203	23.9	75.0	33
8/10/2009 13:00	6	2.6	5.8	208	24.6	76.3	31
8/10/2009 14:00	8	2.7	6.0	243	23.9	75.0	34
8/10/2009 15:00	9	2.6	5.8	216	24.9	76.8	31
8/10/2009 16:00	35	2.6	5.8	222	25.0	77.0	31
8/10/2009 17:00	56	2.1	4.7	232	26.1	79.0	29
8/10/2009 18:00	11	2.1	4.7	256	26.3	79.3	28
8/10/2009 19:00	8	1.4	3.1	245	24.7	76.5	34
8/10/2009 20:00	6	0.6	1.3	207	20.8	69.4	48
8/10/2009 21:00	-5	0.7	1.6	279	15.0	59.0	69
8/10/2009 22:00	-2	0.7	1.6	140	13.8	56.8	74

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/10/2009 23:00	11	0.7	1.6	314	11.7	53.1	80
8/11/2009 0:00	10	1.0	2.2	196	11.1	52.0	81
8/11/2009 1:00	10	1.3	2.9	196	12.0	53.6	75
8/11/2009 2:00	1	1.4	3.1	193	11.7	53.1	76
8/11/2009 3:00	3	1.3	2.9	194	10.7	51.3	80
8/11/2009 4:00	19	1.8	4.0	195	11.3	52.3	77
8/11/2009 5:00	21	2.6	5.8	204	11.7	53.1	74
8/11/2009 6:00	12	1.3	2.9	177	10.5	50.9	77
8/11/2009 7:00	31	2.0	4.5	196	12.5	54.5	70
8/11/2009 8:00	23	2.2	4.9	203	17.1	62.8	55
8/11/2009 9:00	22	2.9	6.5	189	21.2	70.2	41
8/11/2009 10:00	21	3.6	8.1	189	23.3	73.9	33
8/11/2009 11:00	21	4.1	9.2	191	25.0	77.0	28
8/11/2009 12:00	14	5.1	11.4	211	26.3	79.3	25
8/11/2009 13:00	12	4.2	9.4	209	27.6	81.7	22
8/11/2009 14:00	9	3.9	8.7	199	28.5	83.3	20
8/11/2009 15:00	7	3.6	8.1	212	29.1	84.4	18
8/11/2009 16:00	14	3.4	7.6	231	27.3	81.1	24
8/11/2009 17:00	2	2.6	5.8	217	25.1	77.2	28
8/11/2009 18:00	25	4.1	9.2	242	24.6	76.3	27
8/11/2009 19:00	11	1.6	3.6	192	25.4	77.7	23
8/11/2009 20:00	5	1.7	3.8	196	22.7	72.9	34
8/11/2009 21:00	0	3.3	7.4	202	22.0	71.6	33
8/11/2009 22:00	7	2.8	6.3	207	19.6	67.3	43
8/11/2009 23:00	4	1.5	3.4	209	17.6	63.7	50
8/12/2009 0:00	8	0.8	1.8	316	14.3	57.7	63
8/12/2009 1:00	-5	0.6	1.3	205	11.3	52.3	76
8/12/2009 2:00	5	0.7	1.6	219	8.8	47.8	82
8/12/2009 3:00	-2	0.8	1.8	135	9.6	49.3	80
8/12/2009 4:00	27	0.7	1.6	177	8.8	47.8	82
8/12/2009 5:00	-3	0.9	2.0	153	8.9	48.0	82
8/12/2009 6:00	2	1.0	2.2	155	8.7	47.7	82
8/12/2009 7:00	15	1.3	2.9	216	10.4	50.7	79
8/12/2009 8:00	14	1.4	3.1	216	13.6	56.5	67
8/12/2009 9:00	19	1.6	3.6	275	17.8	64.0	52
8/12/2009 10:00	19	1.3	2.9	52	20.7	69.3	42
8/12/2009 11:00	11	1.0	2.2	338	21.6	70.9	41
8/12/2009 12:00	19	1.3	2.9	11	24.3	75.7	37
8/12/2009 13:00	16	1.9	4.3	344	26.3	79.3	33
8/12/2009 14:00	7	1.5	3.4	15	26.3	79.3	33
8/12/2009 15:00	6	1.4	3.1	14	26.7	80.1	32
8/12/2009 16:00	11	1.8	4.0	356	25.8	78.4	35
8/12/2009 17:00	10	1.5	3.4	21	25.5	77.9	32
8/12/2009 18:00	10	1.9	4.3	47	23.0	73.4	37
8/12/2009 19:00	10	2.1	4.7	26	21.5	70.7	45
8/12/2009 20:00	7	1.5	3.4	22	19.6	67.3	50
8/12/2009 21:00	4	1.3	2.9	44	18.6	65.5	51
8/12/2009 22:00	1	1.1	2.5	36	17.3	63.1	54
8/12/2009 23:00	-5	0.9	2.0	283	13.5	56.3	70
8/13/2009 0:00	13	0.7	1.6	283	11.6	52.9	78
8/13/2009 1:00	2	0.8	1.8	145	10.9	51.6	82
8/13/2009 2:00	3	0.8	1.8	188	10.3	50.5	83
8/13/2009 3:00	12	1.0	2.2	145	9.5	49.1	85
8/13/2009 4:00	15	1.2	2.7	145	9.4	48.9	85
8/13/2009 5:00	8	1.1	2.5	163	9.5	49.1	84
8/13/2009 6:00	10	0.9	2.0	153	10.0	50.0	82
8/13/2009 7:00	-5	0.6	1.3	216	10.9	51.6	79
8/13/2009 8:00	29	0.7	1.6	127	14.1	57.4	66
8/13/2009 9:00	17	1.1	2.5	347	17.2	63.0	55
8/13/2009 10:00	5	1.6	3.6	4	17.9	64.2	56
8/13/2009 11:00	15	1.4	3.1	17	18.6	65.5	55
8/13/2009 12:00	15	1.7	3.8	8	20.5	66.9	48
8/13/2009 13:00	11	2.1	4.7	4	21.1	70.0	47
8/13/2009 14:00	17	2.5	5.6	2	21.2	70.2	45
8/13/2009 15:00	9	2.5	5.6	15	20.2	68.4	49
8/13/2009 16:00	1	2.2	4.9	20	16.8	62.2	58
8/13/2009 17:00	9	2.4	5.4	29	14.3	57.7	62
8/13/2009 18:00	-2	1.7	3.8	19	14.2	57.6	63
8/13/2009 19:00	-2	1.3	2.9	352	14.6	58.3	61
8/13/2009 20:00	-5	0.9	2.0	327	11.2	52.2	78
8/13/2009 21:00	14	0.6	1.3	161	9.3	48.7	86
8/13/2009 22:00	16	0.5	1.1	179	8.8	47.8	89
8/13/2009 23:00	-2	0.9	2.0	172	9.6	49.3	84
8/14/2009 0:00	-5	0.8	1.8	252	7.6	45.7	88
8/14/2009 1:00	2	1.2	2.7	129	8.4	47.1	88
8/14/2009 2:00	16	1.0	2.2	212	8.8	47.8	87
8/14/2009 3:00	-2	0.7	1.6	22	7.9	46.2	90
8/14/2009 4:00	8	0.8	1.8	306	8.2	46.8	91
8/14/2009 5:00	-5	0.6	1.3	131	7.5	45.5	92
8/14/2009 6:00	12	0.4	0.9	249	6.7	44.1	92

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/14/2009 7:00	22	0.5	1.1	120	8.2	46.8	93
8/14/2009 8:00	-3	0.5	1.1	152	10.4	50.7	84
8/14/2009 9:00	4	0.8	1.8	110	12.8	55.0	72
8/14/2009 10:00	6	1.3	2.9	253	14.8	58.6	62
8/14/2009 11:00	-2	1.3	2.9	283	15.1	59.2	64
8/14/2009 12:00	13	1.2	2.7	356	17.3	63.1	58
8/14/2009 13:00	-5	3.7	8.3	318	14.4	57.9	73
8/14/2009 14:00	10	1.1	2.5	49	12.3	54.1	82
8/14/2009 15:00	3	1.6	3.6	343	12.1	53.8	82
8/14/2009 16:00	0	1.4	3.1	46	11.2	52.2	85
8/14/2009 17:00	-3	1.0	2.2	67	11.0	51.8	82
8/14/2009 18:00	2	1.1	2.5	31	11.1	52.0	82
8/14/2009 19:00	9	1.0	2.2	54	11.7	53.1	77
8/14/2009 20:00	2	0.6	1.3	350	10.6	51.1	79
8/14/2009 21:00	0	0.6	1.3	243	8.3	46.9	89
8/14/2009 22:00	8	0.7	1.6	278	8.1	46.6	86
8/14/2009 23:00	-5	1.3	2.9	263	5.8	42.4	84
8/15/2009 0:00	4	0.8	1.8	279	4.5	40.1	84
8/15/2009 1:00	8	0.7	1.6	127	4.0	39.2	86
8/15/2009 2:00	3	1.0	2.2	172	3.7	38.7	85
8/15/2009 3:00	-2	1.4	3.1	167	3.8	38.8	85
8/15/2009 4:00	5	2.0	4.5	198	4.5	40.1	84
8/15/2009 5:00	7	2.2	4.9	195	4.9	40.8	82
8/15/2009 6:00	20	1.7	3.8	185	5.2	41.4	81
8/15/2009 7:00	-2	0.8	1.8	151	5.5	41.9	81
8/15/2009 8:00	12	0.8	1.8	75	7.2	45.0	77
8/15/2009 9:00	6	1.1	2.5	355	10.5	50.9	64
8/15/2009 10:00	4	1.1	2.5	104	12.1	53.8	57
8/15/2009 11:00	7	1.3	2.9	286	13.3	55.9	52
8/15/2009 12:00	-5	1.7	3.8	3	12.5	54.5	59
8/15/2009 13:00	12	1.6	3.6	266	14.1	57.4	51
8/15/2009 14:00	6	1.7	3.8	34	14.2	57.6	55
8/15/2009 15:00	1	1.9	4.3	356	14.5	58.1	51
8/15/2009 16:00	13	1.7	3.8	29	14.2	57.6	53
8/15/2009 17:00	-5	1.7	3.8	38	12.6	54.7	59
8/15/2009 18:00	0	1.3	2.9	62	11.4	52.5	71
8/15/2009 19:00	-3	1.0	2.2	67	10.8	51.4	73
8/15/2009 20:00	-4	1.2	2.7	71	10.4	50.7	71
8/15/2009 21:00	-5	1.0	2.2	81	9.4	48.9	73
8/15/2009 22:00	3	0.8	1.8	306	8.0	46.4	80
8/15/2009 23:00	3	0.9	2.0	287	6.1	43.0	86
8/16/2009 0:00	-2	1.1	2.5	308	7.5	45.5	78
8/16/2009 1:00	7	0.7	1.6	179	5.0	41.0	83
8/16/2009 2:00	-5	1.0	2.2	155	4.5	40.1	83
8/16/2009 3:00	4	1.6	3.6	183	5.7	42.3	79
8/16/2009 4:00	10	1.7	3.8	185	6.9	44.4	75
8/16/2009 5:00	0	1.8	4.0	181	7.5	45.5	73
8/16/2009 6:00	8	1.3	2.9	225	7.4	45.3	73
8/16/2009 7:00	-2	1.7	3.8	189	7.8	46.0	72
8/16/2009 8:00	4	2.4	5.4	225	9.2	48.6	68
8/16/2009 9:00	-5	1.1	2.5	339	9.0	48.2	74
8/16/2009 10:00	19	0.8	1.8	187	9.3	48.7	78
8/16/2009 11:00	2	0.8	1.8	136	9.7	49.5	76
8/16/2009 12:00	4	1.1	2.5	87	11.2	52.2	67
8/16/2009 13:00	2	1.1	2.5	81	12.5	54.5	68
8/16/2009 14:00	5	1.1	2.5	343	14.3	57.7	59
8/16/2009 15:00	-5	1.6	3.6	279	12.9	55.2	67
8/16/2009 16:00	6	1.3	2.9	130	12.9	55.2	67
8/16/2009 17:00	-5	1.8	4.0	9	12.1	53.8	72
8/16/2009 18:00	29	1.2	2.7	89	11.7	53.1	78
8/16/2009 19:00	4	0.5	1.1	18	12.2	54.0	77
8/16/2009 20:00	-5	0.7	1.6	296	10.8	51.4	78
8/16/2009 21:00	18	0.7	1.6	161	9.2	48.6	86
8/16/2009 22:00	-5	0.7	1.6	184	8.6	47.5	88
8/16/2009 23:00	-5	0.7	1.6	238	7.5	45.5	91
8/17/2009 0:00	4	0.5	1.1	134	6.4	43.5	91
8/17/2009 1:00	-2	0.9	2.0	198	5.9	42.6	92
8/17/2009 2:00	4	1.0	2.2	195	4.9	40.8	92
8/17/2009 3:00	2	1.0	2.2	183	4.8	40.6	92
8/17/2009 4:00	2	0.9	2.0	191	4.3	39.7	91
8/17/2009 5:00	-2	1.0	2.2	178	3.7	38.7	92
8/17/2009 6:00	2	1.4	3.1	190	3.7	38.7	91
8/17/2009 7:00	-1	1.4	3.1	189	4.7	40.5	87
8/17/2009 8:00	14	1.7	3.8	196	8.0	46.4	77
8/17/2009 9:00	2	1.6	3.6	178	10.9	51.6	71
8/17/2009 10:00	13	1.4	3.1	112	13.4	56.1	63
8/17/2009 11:00	6	1.2	2.7	50	15.6	60.1	54
8/17/2009 12:00	9	1.3	2.9	81	17.4	63.3	45
8/17/2009 13:00	9	1.4	3.1	79	19.1	66.4	36
8/17/2009 14:00	0	1.4	3.1	40	20.3	68.5	34
8/17/2009 15:00	-1	1.7	3.8	357	20.8	69.4	36

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/17/2009 16:00	5	1.6	3.6	356	21.1	70.0	37
8/17/2009 17:00	3	1.5	3.4	357	21.1	70.0	38
8/17/2009 18:00	0	1.4	3.1	357	20.5	68.9	41
8/17/2009 19:00	2	1.2	2.7	347	18.9	66.0	51
8/17/2009 20:00	-5	0.8	1.8	339	15.7	60.3	63
8/17/2009 21:00	-4	0.6	1.3	315	12.2	54.0	74
8/17/2009 22:00	-2	0.6	1.3	226	10.8	51.4	80
8/17/2009 23:00	1	0.8	1.8	190	10.9	51.6	82
8/18/2009 0:00	17	1.3	2.9	167	11.0	51.8	80
8/18/2009 1:00	3	1.2	2.7	178	10.5	50.9	79
8/18/2009 2:00	-5	0.8	1.8	166	8.8	47.8	84
8/18/2009 3:00	7	0.6	1.3	94	9.2	48.6	83
8/18/2009 4:00	5	0.6	1.3	204	8.9	48.0	83
8/18/2009 5:00	19	0.7	1.6	161	9.4	48.9	82
8/18/2009 6:00	4	1.0	2.2	144	11.3	52.3	72
8/18/2009 7:00	3	1.4	3.1	183	12.2	54.0	68
8/18/2009 8:00	6	1.7	3.8	178	13.3	55.9	66
8/18/2009 9:00	15	2.0	4.5	209	16.1	61.0	55
8/18/2009 10:00	9	2.9	6.5	219	16.9	62.4	51
8/18/2009 11:00	22	3.1	6.9	194	18.8	65.8	46
8/18/2009 12:00	12	3.4	7.6	259	20.7	69.3	43
8/18/2009 13:00	16	3.4	7.6	282	22.3	72.1	38
8/18/2009 14:00	18	3.8	8.5	295	23.2	73.8	38
8/18/2009 15:00	6	1.5	3.4	357	22.2	72.0	41
8/18/2009 16:00	13	2.9	6.5	298	23.3	73.9	38
8/18/2009 17:00	12	3.7	8.3	254	22.7	72.9	40
8/18/2009 18:00	13	2.1	4.7	278	21.8	71.2	44
8/18/2009 19:00	13	2.5	5.6	310	21.3	70.3	44
8/18/2009 20:00	14	1.9	4.3	292	18.8	65.8	51
8/18/2009 21:00	-4	2.1	4.7	288	17.4	63.3	53
8/18/2009 22:00	15	2.1	4.7	291	18.1	64.6	51
8/18/2009 23:00	8	2.0	4.5	266	16.5	61.7	59
8/19/2009 0:00	4	1.2	2.7	236	15.9	60.6	59
8/19/2009 1:00	17	1.0	2.2	211	15.7	60.3	61
8/19/2009 2:00	8	1.0	2.2	217	14.8	58.6	64
8/19/2009 3:00	18	1.1	2.5	143	14.6	58.3	67
8/19/2009 4:00	8	1.5	3.4	135	14.9	58.8	67
8/19/2009 5:00	12	1.2	2.7	149	13.9	57.0	69
8/19/2009 6:00	14	1.3	2.9	162	11.9	53.4	76
8/19/2009 7:00	3	1.2	2.7	162	12.9	55.2	71
8/19/2009 8:00	20	1.7	3.8	170	17.0	62.6	56
8/19/2009 9:00	16	1.7	3.8	134	19.8	67.6	51
8/19/2009 10:00	20	1.2	2.7	347	22.6	72.7	39
8/19/2009 11:00	19	1.6	3.6	352	23.1	73.6	37
8/19/2009 12:00	10	1.5	3.4	10	24.4	75.9	33
8/19/2009 13:00	18	1.4	3.1	38	25.2	77.4	32
8/19/2009 14:00	8	1.4	3.1	5	25.8	78.4	31
8/19/2009 15:00	5	1.5	3.4	19	26.4	79.5	29
8/19/2009 16:00	12	1.5	3.4	46	26.8	80.2	28
8/19/2009 17:00	10	1.7	3.8	29	26.5	79.7	28
8/19/2009 18:00	11	1.6	3.6	14	25.6	78.1	30
8/19/2009 19:00	6	1.3	2.9	7	23.8	74.8	37
8/19/2009 20:00	-3	0.9	2.0	341	18.5	65.3	57
8/19/2009 21:00	-1	0.7	1.6	14	15.6	60.1	65
8/19/2009 22:00	7	0.5	1.1	208	13.1	55.6	76
8/19/2009 23:00	7	0.5	1.1	191	11.8	53.2	82
8/20/2009 0:00	22	0.8	1.8	140	11.1	52.0	83
8/20/2009 1:00	19	0.8	1.8	131	10.1	50.2	85
8/20/2009 2:00	14	1.1	2.5	159	10.7	51.3	80
8/20/2009 3:00	12	0.7	1.6	162	9.5	49.1	84
8/20/2009 4:00	11	1.1	2.5	147	8.9	48.0	85
8/20/2009 5:00	3	1.2	2.7	176	9.0	48.2	85
8/20/2009 6:00	19	1.4	3.1	191	9.1	48.4	84
8/20/2009 7:00	15	1.8	4.0	211	10.8	51.4	77
8/20/2009 8:00	12	1.7	3.8	188	14.8	58.6	64
8/20/2009 9:00	16	1.6	3.6	184	18.2	64.8	55
8/20/2009 10:00	22	1.2	2.7	223	21.6	70.9	44
8/20/2009 11:00	10	BA	BA	BA	24.3	75.7	37
8/20/2009 12:00	BA	1.6	3.6	116	26.4	79.5	30
8/20/2009 13:00	30	1.4	3.1	140	27.9	82.2	26
8/20/2009 14:00	7	1.5	3.4	172	29.1	84.4	24
8/20/2009 15:00	8	1.3	2.9	135	30.0	86.0	20
8/20/2009 16:00	7	1.3	2.9	21	30.5	86.9	20
8/20/2009 17:00	0	1.5	3.4	358	29.7	85.5	26
8/20/2009 18:00	13	1.2	2.7	357	28.5	83.3	30
8/20/2009 19:00	9	0.9	2.0	333	25.1	77.2	45
8/20/2009 20:00	8	0.7	1.6	229	19.8	67.6	70
8/20/2009 21:00	-4	0.5	1.1	264	16.9	62.4	75
8/20/2009 22:00	1	0.7	1.6	110	15.8	60.4	76
8/20/2009 23:00	24	1.3	2.9	155	15.2	59.4	72
8/21/2009 0:00	50	1.1	2.5	162	14.3	57.7	75

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/21/2009 1:00	18	1.5	3.4	193	14.5	58.1	72
8/21/2009 2:00	6	1.6	3.6	192	14.0	57.2	72
8/21/2009 3:00	27	1.5	3.4	152	12.6	54.7	77
8/21/2009 4:00	-2	1.2	2.7	131	12.5	54.5	76
8/21/2009 5:00	16	1.5	3.4	177	14.0	57.2	68
8/21/2009 6:00	14	1.0	2.2	138	13.7	56.7	69
8/21/2009 7:00	9	1.0	2.2	139	15.2	59.4	64
8/21/2009 8:00	23	1.7	3.8	148	18.6	65.5	54
8/21/2009 9:00	18	2.5	5.6	203	22.2	72.0	43
8/21/2009 10:00	25	1.8	4.0	327	24.2	75.6	42
8/21/2009 11:00	17	1.8	4.0	354	24.5	76.1	41
8/21/2009 12:00	19	1.6	3.6	345	27.1	80.8	33
8/21/2009 13:00	12	1.3	2.9	346	29.7	85.5	29
8/21/2009 14:00	6	1.4	3.1	39	31.5	88.7	25
8/21/2009 15:00	10	1.4	3.1	240	32.9	91.2	19
8/21/2009 16:00	-5	1.5	3.4	342	32.1	89.8	25
8/21/2009 17:00	11	1.3	2.9	331	31.1	88.0	28
8/21/2009 18:00	-5	1.5	3.4	335	25.6	78.1	37
8/21/2009 19:00	8	1.2	2.7	318	23.7	74.7	40
8/21/2009 20:00	-4	1.2	2.7	57	21.5	70.7	50
8/21/2009 21:00	9	1.1	2.5	330	19.8	67.6	60
8/21/2009 22:00	13	0.6	1.3	147	17.5	63.5	70
8/21/2009 23:00	2	0.5	1.1	216	14.0	57.2	83
8/22/2009 0:00	16	0.7	1.6	159	13.1	55.6	82
8/22/2009 1:00	28	0.7	1.6	151	12.9	55.2	83
8/22/2009 2:00	4	0.9	2.0	213	13.0	55.4	80
8/22/2009 3:00	25	0.6	1.3	232	11.0	51.8	87
8/22/2009 4:00	-1	0.7	1.6	130	10.3	50.5	88
8/22/2009 5:00	3	0.9	2.0	188	11.9	53.4	81
8/22/2009 6:00	17	0.8	1.8	128	10.8	51.4	85
8/22/2009 7:00	25	0.8	1.8	136	11.9	53.4	81
8/22/2009 8:00	2	1.0	2.2	199	17.0	62.6	59
8/22/2009 9:00	23	1.2	2.7	308	19.8	67.6	45
8/22/2009 10:00	21	1.9	4.3	358	21.4	70.5	38
8/22/2009 11:00	14	2.3	5.1	349	22.1	71.8	37
8/22/2009 12:00	16	2.0	4.5	348	23.7	74.7	34
8/22/2009 13:00	19	1.8	4.0	1	24.9	76.8	31
8/22/2009 14:00	14	2.0	4.5	359	26.1	79.0	30
8/22/2009 15:00	14	2.1	4.7	354	27.0	80.6	28
8/22/2009 16:00	9	2.1	4.7	355	27.6	81.7	26
8/22/2009 17:00	7	2.4	5.4	351	27.2	81.0	29
8/22/2009 18:00	5	1.8	4.0	353	26.5	79.7	31
8/22/2009 19:00	12	1.2	2.7	22	24.8	76.6	33
8/22/2009 20:00	-3	1.0	2.2	359	21.2	70.2	43
8/22/2009 21:00	1	0.6	1.3	346	17.2	63.0	57
8/22/2009 22:00	8	0.6	1.3	138	14.5	58.1	69
8/22/2009 23:00	3	0.5	1.1	106	12.4	54.3	79
8/23/2009 0:00	31	0.9	2.0	132	12.8	55.0	73
8/23/2009 1:00	-5	0.7	1.6	165	11.6	52.9	76
8/23/2009 2:00	13	0.8	1.8	180	9.2	48.6	85
8/23/2009 3:00	25	1.1	2.5	198	10.7	51.3	78
8/23/2009 4:00	7	0.8	1.8	134	10.3	50.5	78
8/23/2009 5:00	9	1.0	2.2	142	11.3	52.3	74
8/23/2009 6:00	14	1.2	2.7	165	11.2	52.2	74
8/23/2009 7:00	5	2.1	4.7	180	13.4	56.1	68
8/23/2009 8:00	25	1.2	2.7	198	15.7	60.3	65
8/23/2009 9:00	6	1.7	3.8	210	17.3	63.1	58
8/23/2009 10:00	9	1.1	2.5	189	18.0	64.4	60
8/23/2009 11:00	16	2.1	4.7	200	19.9	67.8	52
8/23/2009 12:00	17	1.2	2.7	193	21.0	69.8	53
8/23/2009 13:00	13	3.6	8.1	146	22.3	72.1	43
8/23/2009 14:00	3	6.1	13.6	149	21.9	71.4	44
8/23/2009 15:00	20	7.9	17.7	147	20.2	68.4	52
8/23/2009 16:00	14	6.3	14.1	142	18.2	64.8	63
8/23/2009 17:00	-2	4.1	9.2	136	16.3	61.3	72
8/23/2009 18:00	5	3.3	7.4	169	15.3	59.5	77
8/23/2009 19:00	11	1.1	2.5	208	13.9	57.0	87
8/23/2009 20:00	3	1.1	2.5	202	13.7	56.7	88
8/23/2009 21:00	7	1.1	2.5	170	13.8	56.8	88
8/23/2009 22:00	5	1.2	2.7	180	13.6	56.5	87
8/23/2009 23:00	9	1.1	2.5	169	13.3	55.9	88
8/24/2009 0:00	1	1.1	2.5	145	13.0	55.4	89
8/24/2009 1:00	6	1.6	3.6	199	12.9	55.2	87
8/24/2009 2:00	15	1.7	3.8	229	12.2	54.0	84
8/24/2009 3:00	2	0.6	1.3	242	9.5	49.1	88
8/24/2009 4:00	12	0.7	1.6	151	8.7	47.7	90
8/24/2009 5:00	10	0.7	1.6	177	7.1	44.8	90
8/24/2009 6:00	-3	0.5	1.1	100	6.4	43.5	91
8/24/2009 7:00	19	0.9	2.0	192	6.5	43.7	86
8/24/2009 8:00	8	1.4	3.1	191	11.9	53.4	68

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/24/2009 9:00	9	1.1	2.5	174	15.0	59.0	64
8/24/2009 10:00	14	1.1	2.5	263	16.9	62.4	55
8/24/2009 11:00	19	1.2	2.7	119	18.7	65.7	41
8/24/2009 12:00	20	1.4	3.1	139	20.5	68.9	35
8/24/2009 13:00	8	1.5	3.4	135	21.9	71.4	33
8/24/2009 14:00	13	2.0	4.5	128	22.9	73.2	31
8/24/2009 15:00	8	1.9	4.3	121	23.4	74.1	32
8/24/2009 16:00	5	2.0	4.5	149	24.4	75.9	27
8/24/2009 17:00	12	1.3	2.9	118	25.0	77.0	25
8/24/2009 18:00	6	1.0	2.2	67	24.5	76.1	28
8/24/2009 19:00	3	1.1	2.5	356	21.4	70.5	40
8/24/2009 20:00	-5	0.6	1.3	10	15.9	60.6	61
8/24/2009 21:00	-5	0.6	1.3	260	11.2	52.2	79
8/24/2009 22:00	14	1.0	2.2	147	10.9	51.6	77
8/24/2009 23:00	2	0.9	2.0	161	10.3	50.5	76
8/25/2009 0:00	33	1.2	2.7	165	9.7	49.5	76
8/25/2009 1:00	3	1.6	3.6	182	10.2	50.4	74
8/25/2009 2:00	5	1.4	3.1	175	9.0	48.2	77
8/25/2009 3:00	18	1.3	2.9	174	8.5	47.3	77
8/25/2009 4:00	14	1.2	2.7	175	9.1	48.4	74
8/25/2009 5:00	8	0.9	2.0	157	9.1	48.4	72
8/25/2009 6:00	2	0.9	2.0	83	7.9	46.2	77
8/25/2009 7:00	14	0.6	1.3	350	7.0	44.6	77
8/25/2009 8:00	9	0.6	1.3	326	12.3	54.1	60
8/25/2009 9:00	27	1.0	2.2	114	16.4	61.5	54
8/25/2009 10:00	16	1.9	4.3	168	21.1	70.0	39
8/25/2009 11:00	13	2.5	5.6	185	24.1	75.4	28
8/25/2009 12:00	21	2.5	5.6	173	25.9	78.6	21
8/25/2009 13:00	6	3.1	6.9	150	26.8	80.2	18
8/25/2009 14:00	3	2.8	6.3	178	27.6	81.7	19
8/25/2009 15:00	7	3.4	7.6	209	27.6	81.7	21
8/25/2009 16:00	-1	3.1	6.9	224	26.7	80.1	24
8/25/2009 17:00	15	1.5	3.4	254	26.5	79.7	26
8/25/2009 18:00	18	1.0	2.2	226	25.7	78.3	32
8/25/2009 19:00	6	0.4	0.9	154	22.3	72.1	48
8/25/2009 20:00	-5	0.9	2.0	145	19.3	66.7	58
8/25/2009 21:00	0	0.9	2.0	216	16.0	60.8	63
8/25/2009 22:00	9	0.8	1.8	128	13.5	56.3	74
8/25/2009 23:00	-5	1.0	2.2	254	12.7	54.9	74
8/26/2009 0:00	20	1.0	2.2	159	12.2	54.0	76
8/26/2009 1:00	17	1.3	2.9	154	12.1	53.8	73
8/26/2009 2:00	11	1.2	2.7	163	11.3	52.3	73
8/26/2009 3:00	18	1.6	3.6	156	10.4	50.7	75
8/26/2009 4:00	-3	1.4	3.1	172	11.0	51.8	71
8/26/2009 5:00	12	2.0	4.5	212	11.9	53.4	67
8/26/2009 6:00	18	1.8	4.0	211	11.7	53.1	68
8/26/2009 7:00	14	1.8	4.0	231	13.5	56.3	61
8/26/2009 8:00	13	1.6	3.6	234	16.9	62.4	52
8/26/2009 9:00	10	2.0	4.5	188	21.0	69.8	40
8/26/2009 10:00	17	2.9	6.5	198	24.5	76.1	31
8/26/2009 11:00	15	2.8	6.3	208	26.8	80.2	27
8/26/2009 12:00	10	4.1	9.2	208	27.9	82.2	22
8/26/2009 13:00	11	4.5	10.1	208	28.6	83.5	19
8/26/2009 14:00	9	4.0	8.9	202	29.4	84.9	18
8/26/2009 15:00	12	3.4	7.6	203	29.9	85.8	16
8/26/2009 16:00	8	2.3	5.1	233	30.5	86.9	14
8/26/2009 17:00	3	1.3	2.9	294	30.9	87.6	14
8/26/2009 18:00	2	1.4	3.1	53	28.9	84.0	20
8/26/2009 19:00	2	1.4	3.1	59	25.6	78.1	24
8/26/2009 20:00	1	1.2	2.7	10	22.8	73.0	29
8/26/2009 21:00	-3	1.5	3.4	321	17.6	63.7	47
8/26/2009 22:00	24	0.8	1.8	247	14.2	57.6	61
8/26/2009 23:00	4	0.7	1.6	227	11.6	52.9	72
8/27/2009 0:00	24	1.0	2.2	156	11.5	52.7	72
8/27/2009 1:00	18	1.1	2.5	140	12.1	53.8	68
8/27/2009 2:00	18	1.2	2.7	148	10.9	51.6	71
8/27/2009 3:00	6	1.4	3.1	171	11.0	51.8	67
8/27/2009 4:00	3	1.2	2.7	175	10.0	50.0	70
8/27/2009 5:00	18	1.0	2.2	205	8.6	47.5	73
8/27/2009 6:00	14	1.7	3.8	206	9.0	48.2	70
8/27/2009 7:00	17	1.9	4.3	200	10.6	51.1	63
8/27/2009 8:00	20	2.2	4.9	193	14.0	57.2	53
8/27/2009 9:00	28	2.3	5.1	189	18.6	65.5	42
8/27/2009 10:00	31	2.4	5.4	192	23.1	73.6	27
8/27/2009 11:00	25	1.8	4.0	135	25.8	78.4	AM
8/27/2009 12:00	27	1.3	2.9	36	26.7	80.1	28
8/27/2009 13:00	9	1.8	4.0	5	28.0	82.4	22
8/27/2009 14:00	11	1.9	4.3	6	28.6	83.5	20
8/27/2009 15:00	8	2.1	4.7	358	28.9	84.0	18
8/27/2009 16:00	6	1.9	4.3	358	28.9	84.0	16
8/27/2009 17:00	3	2.1	4.7	345	28.4	83.1	18

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/27/2009 18:00	9	1.6	3.6	344	27.3	81.1	23
8/27/2009 19:00	10	0.5	1.1	22	25.0	77.0	31
8/27/2009 20:00	-5	0.5	1.1	307	18.0	64.4	50
8/27/2009 21:00	13	0.7	1.6	177	13.7	56.7	64
8/27/2009 22:00	11	0.7	1.6	43	13.0	55.4	67
8/27/2009 23:00	9	0.7	1.6	153	10.6	51.1	77
8/28/2009 0:00	35	0.8	1.8	176	10.4	50.7	69
8/28/2009 1:00	12	0.9	2.0	132	9.0	48.2	73
8/28/2009 2:00	14	1.0	2.2	145	8.5	47.3	74
8/28/2009 3:00	11	0.9	2.0	157	8.2	46.8	71
8/28/2009 4:00	12	1.0	2.2	144	8.0	46.4	71
8/28/2009 5:00	5	1.5	3.4	189	8.7	47.7	65
8/28/2009 6:00	5	1.6	3.6	189	8.5	47.3	65
8/28/2009 7:00	9	1.3	2.9	192	10.0	50.0	59
8/28/2009 8:00	10	1.0	2.2	171	12.4	54.3	53
8/28/2009 9:00	17	0.9	2.0	133	16.9	62.4	42
8/28/2009 10:00	20	0.9	2.0	128	20.7	69.3	29
8/28/2009 11:00	21	1.3	2.9	360	23.1	73.6	27
8/28/2009 12:00	11	1.3	2.9	20	25.0	77.0	26
8/28/2009 13:00	7	1.8	4.0	346	26.7	80.1	23
8/28/2009 14:00	17	1.3	2.9	1	27.9	82.2	19
8/28/2009 15:00	24	1.4	3.1	341	29.0	84.2	18
8/28/2009 16:00	1	1.3	2.9	141	29.8	85.6	12
8/28/2009 17:00	12	1.3	2.9	52	29.9	85.8	16
8/28/2009 18:00	16	0.7	1.6	56	27.7	81.9	26
8/28/2009 19:00	12	0.9	2.0	283	24.7	76.5	43
8/28/2009 20:00	-5	0.7	1.6	252	18.6	65.5	56
8/28/2009 21:00	5	0.7	1.6	318	14.9	58.8	67
8/28/2009 22:00	9	1.1	2.5	166	13.3	55.9	68
8/28/2009 23:00	20	0.9	2.0	151	13.5	56.3	66
8/29/2009 0:00	23	1.3	2.9	162	13.7	56.7	62
8/29/2009 1:00	15	1.3	2.9	169	14.6	58.3	59
8/29/2009 2:00	10	1.3	2.9	172	14.0	57.2	58
8/29/2009 3:00	21	0.9	2.0	167	13.1	55.6	61
8/29/2009 4:00	7	0.7	1.6	200	11.2	52.2	68
8/29/2009 5:00	11	1.1	2.5	139	11.9	53.4	65
8/29/2009 6:00	24	1.0	2.2	318	11.8	53.2	72
8/29/2009 7:00	7	1.2	2.7	150	12.3	54.1	67
8/29/2009 8:00	14	1.5	3.4	216	14.7	58.5	59
8/29/2009 9:00	14	1.0	2.2	206	16.9	62.4	52
8/29/2009 10:00	18	0.8	1.8	99	19.4	66.9	46
8/29/2009 11:00	27	1.1	2.5	330	23.0	73.4	34
8/29/2009 12:00	9	1.5	3.4	310	24.2	75.6	32
8/29/2009 13:00	12	1.4	3.1	1	26.3	79.3	28
8/29/2009 14:00	16	1.5	3.4	359	26.4	79.5	28
8/29/2009 15:00	13	1.4	3.1	14	25.5	77.9	31
8/29/2009 16:00	7	1.5	3.4	356	23.9	75.0	39
8/29/2009 17:00	15	1.5	3.4	357	23.0	73.4	42
8/29/2009 18:00	15	1.8	4.0	350	21.8	71.2	41
8/29/2009 19:00	14	1.4	3.1	3	21.0	69.8	43
8/29/2009 20:00	11	1.0	2.2	66	19.9	67.8	46
8/29/2009 21:00	20	1.1	2.5	36	19.6	67.3	47
8/29/2009 22:00	10	0.9	2.0	1	18.0	64.4	53
8/29/2009 23:00	22	0.7	1.6	68	17.4	63.3	53
8/30/2009 0:00	15	1.1	2.5	193	15.5	59.9	62
8/30/2009 1:00	14	0.9	2.0	163	13.4	56.1	69
8/30/2009 2:00	7	1.2	2.7	164	12.4	54.3	73
8/30/2009 3:00	17	1.1	2.5	153	12.6	54.7	70
8/30/2009 4:00	11	1.0	2.2	158	12.4	54.3	71
8/30/2009 5:00	3	0.8	1.8	213	11.4	52.5	75
8/30/2009 6:00	15	0.6	1.3	73	10.0	50.0	82
8/30/2009 7:00	27	0.6	1.3	179	10.7	51.3	80
8/30/2009 8:00	-1	0.9	2.0	318	13.6	56.5	69
8/30/2009 9:00	16	0.9	2.0	267	18.3	64.9	49
8/30/2009 10:00	18	1.3	2.9	357	19.9	67.8	43
8/30/2009 11:00	14	1.4	3.1	357	20.9	69.6	42
8/30/2009 12:00	24	1.4	3.1	2	22.8	73.0	37
8/30/2009 13:00	11	1.6	3.6	290	24.0	75.2	34
8/30/2009 14:00	12	1.7	3.8	339	25.3	77.5	33
8/30/2009 15:00	12	1.7	3.8	358	27.1	80.8	30
8/30/2009 16:00	7	2.4	5.4	344	27.6	81.7	28
8/30/2009 17:00	1	2.8	6.3	330	26.8	80.2	32
8/30/2009 18:00	14	1.9	4.3	225	27.3	81.1	29
8/30/2009 19:00	0	2.3	5.1	115	24.1	75.4	34
8/30/2009 20:00	1	2.9	6.5	227	19.0	66.2	48
8/30/2009 21:00	2	2.0	4.5	248	17.0	62.6	55
8/30/2009 22:00	10	4.2	9.4	225	17.3	63.1	52
8/30/2009 23:00	1	3.6	8.1	184	14.1	57.4	79
8/31/2009 0:00	20	1.6	3.6	67	12.3	54.1	90
8/31/2009 1:00	6	1.4	3.1	146	12.2	54.0	88

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/31/2009 2:00	6	1.3	2.9	191	11.9	53.4	89
8/31/2009 3:00	2	1.4	3.1	302	11.6	52.9	87
8/31/2009 4:00	14	1.7	3.8	230	12.6	54.7	80
8/31/2009 5:00	1	0.7	1.6	85	12.5	54.5	80
8/31/2009 6:00	12	0.6	1.3	314	11.1	52.0	85
8/31/2009 7:00	-5	0.7	1.6	348	10.3	50.5	88
8/31/2009 8:00	9	0.7	1.6	335	12.7	54.9	79
8/31/2009 9:00	1	0.7	1.6	53	15.2	59.4	70
8/31/2009 10:00	9	1.1	2.5	207	17.6	63.7	61
8/31/2009 11:00	10	1.2	2.7	215	19.4	66.9	53
8/31/2009 12:00	10	1.4	3.1	177	20.7	69.3	48
8/31/2009 13:00	-2	2.0	4.5	220	20.6	69.1	50
8/31/2009 14:00	11	1.9	4.3	211	22.6	72.7	39
8/31/2009 15:00	13	2.2	4.9	185	21.7	71.1	41
8/31/2009 16:00	-5	3.6	8.1	135	19.6	67.3	50
8/31/2009 17:00	10	3.0	6.7	132	20.7	69.3	45
8/31/2009 18:00	3	1.6	3.6	187	19.4	66.9	47
8/31/2009 19:00	2	1.7	3.8	334	17.6	63.7	58
8/31/2009 20:00	8	0.9	2.0	135	14.5	58.1	81
8/31/2009 21:00	3	0.6	1.3	1	13.8	56.8	83
8/31/2009 22:00	-5	0.6	1.3	31	14.0	57.2	84
8/31/2009 23:00	12	0.7	1.6	279	13.9	57.0	85
9/1/2009 0:00	13	0.8	1.8	159	13.1	55.6	86

AM = Machine malfunction

BA = Routine maintenance / repairs